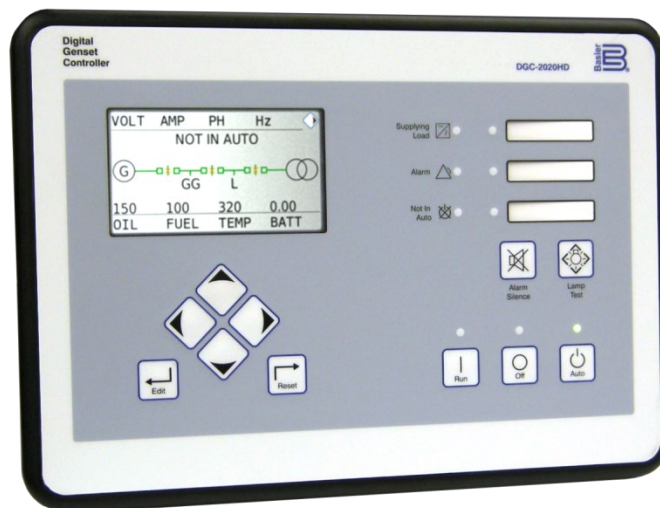




DGC-2020HD

Digital Genset Controller

Modbus® Protocol Instruction Manual



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Preface

This instruction manual provides information about DGC-2020HD Digital Genset Controllers with the Modbus® Protocol. To accomplish this, the following information is provided:

- General information
- Default register table
- Legacy register table

Conventions Used in this Manual

Important safety and procedural information is emphasized and presented in this manual through Warning, Caution, and Note boxes. Each type is illustrated and defined as follows.

Warning!

Warning boxes call attention to conditions or actions that may cause personal injury or death.

Caution

Caution boxes call attention to operating conditions that may lead to equipment or property damage.

Note

Note boxes emphasize important information pertaining to Digital Genset Controller installation or operation.

DGC-2020HD Instruction Manual Catalog

Available instruction manuals for the DGC-2020HD are listed in Table 1.

Table 1. Instruction Manuals

Part Number	Description
9469300993	Quick Start
9469300994	Installation
9469300995	Configuration
9469300996	Operation
9469300997	Accessories
9469300998	Modbus® Protocol (this manual)



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Warning!

READ THIS MANUAL. Read this manual before installing, operating, or maintaining the DGC-2020HD. Note all warnings, cautions, and notes in this manual as well as on the product. Keep this manual with the product for reference. Only qualified personnel should install, operate, or service this system. Failure to follow warning and cautionary labels may result in personal injury or property damage. Exercise caution at all times.

Caution

Installing previous versions of firmware may result in compatibility issues causing the inability to operate properly and may not have the enhancements and resolutions to issues that more recent versions provide. Basler Electric highly recommends using the latest version of firmware at all times. Using previous versions of firmware is at the user's risk and may void the warranty of the unit.

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Revision History

A historical summary of the changes made to this instruction manual is provided below. Revisions are listed in reverse chronological order.

Visit www.basler.com to download the latest hardware, firmware, and BESTCOMS*Plus*® revision histories.

Instruction Manual Revision History

Manual Revision and Date	Change
G, Sep-2025	- Added Functions 01 (read coils), 05 (write single coil), 15 (write multiple coils), 22 (mask write registers), and 23 (write/read group of registers) - Added registers and instructions for secure login to the DGC-2020HD - Added registers to the binary points, bias control, DGC settings, metering, and text strings register tables - Added the security register table and coils table
F, Oct-2023	- Added support for firmware version 3.08.00. - Minor text edits.
E, Aug-21	- Added/updated registers for firmware version 2.06.00 - Added an Increment column in several sections - Minor text edits throughout manual
D, Oct-19	- Removed Rev Letter from all pages - Changed sequential numbering to sectional numbering - Moved Instruction Manual Revision History into Preface - Removed standalone Revision History chapter - Added Notes for registers 11226 through 11288 after register 11288 description
C2, Apr-19	Updated Proposition 65 statement
C1, Oct-18	Added Proposition 65 statement
C, Jan-18	- Added section on 32-Bit Bit-Mapped Parameter Mapping in the General Information chapter - Updated range in register 10942 in the Metering chapter - Added registers 45012-45326, 45334-45498, and 46000-46126 in the Legacy Register Table chapter
B, May-17	Added/updated registers for firmware version 2.04.00
A, Dec-16	- Improved descriptions of register 1002 bits 7 and 8 - Added caution statement about nonvolatile memory
—, Oct-16	Initial release



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1 • General Information

This document describes the Modbus® communications protocol employed by DGC-2020HD systems and how to exchange information with DGC-2020HD systems over a Modbus network. DGC-2020HD systems communicate by emulating a subset of the Modicon 984 Programmable Controller.

Modbus communications use a master-slave technique in which only the master can initiate a transaction. This transaction is called a query. When appropriate, a slave (DGC-2020HD) responds to the query. When a Modbus master communicates with a slave, information is provided or requested by the master. Information residing in the DGC-2020HD is grouped categorically as follows:

- General
- Binary Points
- Bias Control
- Breaker Settings
- Bus Condition Detection
- DGC Settings
- Pulse Outputs
- Control Settings
- Global Settings
- Configuration
- Remote Module Settings
- Metering
- Protection Settings
- Selectable Parameters

All supported data can be read as specified in the Register Table. Abbreviations are used in the Register Table to indicate the register type. Register types are:

- Read/Write = RW
- Read Only = R

When a slave receives a query, the slave responds by either supplying the requested data to the master or performing the requested action. A slave device never initiates communications on the Modbus and will always generate a response to the query unless certain error conditions occur. The DGC-2020HD is designed to communicate on the Modbus network only as a slave device.

Refer to the *Configuration* and *Installation* manuals for Modbus communication setup and wiring.

Caution

This product contains one or more *nonvolatile memory* devices. Nonvolatile memory is used to store information (such as settings) that needs to be preserved when the product is power-cycled or otherwise restarted. Established nonvolatile memory technologies have a physical limit on the number of times they can be erased and written. In this product, the limit is 100,000 erase/write cycles. During product application, consideration should be given to communications, logic, and other factors that may cause frequent/repeated writes of settings or other information that is retained by the product. Applications that result in such frequent/repeated writes may reduce the useable product life and result in loss of information and/or product inoperability.

Message Structure

Device Address Field

The device address field contains the unique Modbus address of the slave being queried. The addressed slave repeats the address in the device address field of the response message. This field is 1 byte.

Although Modbus protocol limits a device address from 1 - 247. The address is user-selectable at installation and can be altered during real-time operation.

Function Code Field

The function code field in the query message defines the action to be taken by the addressed slave. This field is echoed in the response message and is altered by setting the most significant bit (MSB) of the field to 1 if the response is an error response. This field is 1 byte in length.

The DGC-2020HD maps all available data into the Modicon 984 holding register address space supports the following function codes:

- Function 01 (01 hex): read coils
- Function 03 (03 hex): read holding registers
- Function 05 (05 hex): write single coil
- Function 06 (06 hex): preset single register
- Function 08 (08 hex), subfunction 00 - diagnostics: return query data
- Function 08 (08 hex), subfunction 01 - diagnostics: restart communications option
- Function 08 (08 hex), subfunction 04 - diagnostics: force listen only mode
- Function 15 (0F hex): write multiple coils
- Function 16 (10 hex): preset multiple registers
- Function 22 (16 hex): mask write registers
- Function 23 (17 hex): write/read group of registers

Data Block Field

The query data block contains additional information needed by the slave to perform the requested function. The response data block contains data collected by the slave for the queried function. An error response will substitute an exception response code for the data block. The length of this field varies with each query.

Error Check Field

The error check field provides a method for the slave to validate the integrity of the query message contents and allows the master to confirm the validity of response message contents. This field is 2 bytes.

Modbus Modes of Operation

A standard Modbus network offers the remote terminal unit (RTU) transmission mode and Modbus TCP mode for communication. DGC-2020HD systems support the Modbus TCP mode and RS-485 mode at the same time. To enable editing over Modbus TCP, or RS-485, the unsecured access level for the port must be configured to the appropriate access level. See the *Security* chapter in the *Configuration* manual for more information on security and access levels. These two modes of operation are described below.

A master can query slaves individually or universally. A universal ("broadcast") query, when allowed, evokes no response from any slave device. If a query to an individual slave device requests actions unable to be performed by the slave, the slave response message contains an exception response code defining the error detected. Exception response codes are quite often enhanced by the information found in the "Error Details" block of holding registers.

The Modbus protocol defines a simple Protocol Data Unit (PDU) independent of the underlying communication layers. The mapping of the Modbus protocol on specific buses or networks can introduce some additional fields on the Application Data Unit (ADU). See Figure 1-1.

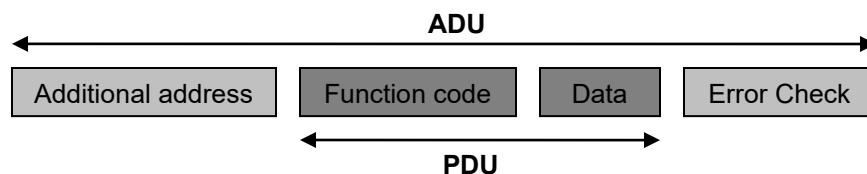


Figure 1-1. General Modbus Frame

The client that initiates a Modbus transaction builds the Modbus Application Data Unit. The function code indicates to the server which kind of action to perform.

Modbus Over Serial Line

Message Structure

Master initiated queries and DGC-2020HD responses share the same message structure. Each message is comprised of four message fields. They are:

- Device Address (1 byte)
- Function Code (1 byte)
- Data Block (n bytes)
- Error Check field (2 bytes)

Each 8-bit byte in a message contains two 4-bit hexadecimal characters. The message is transmitted in a continuous stream with the LSB of each byte of data transmitted first. Transmission of each 8-bit data byte occurs with one start bit and either one or two stop bits. Parity checking is performed, when enabled, and can be either odd or even. The transmission baud rate is user-selectable, and can be set at installation and altered during real-time operation. DGC-2020HD Modbus supports baud rates up to 115200. The factory default baud rate is 19200.

DGC-2020HD systems support RS-485 compatible serial interfaces. This interface is accessible from the left side panel of the DGC-2020HD.

Message Framing and Timing Considerations

When receiving a message via the RS-485 communication port, the DGC-2020HD requires an inter-byte latency of 3.5 character times before considering the message complete.

Once a valid query is received, the DGC-2020HD waits a specified amount of time before responding. This time delay is set on the Modbus Setup screen under Communications in BESTCOMSPlus®. This parameter contains a value from 10 - 10,000 milliseconds. The default value is 10 milliseconds.

Table 1-1 provides the response message transmission time (in seconds) and 3.5 character times (in milliseconds) for various message lengths and baud rates.

Table 1-1. Timing Considerations

Baud Rate	3.5 Character Time (ms)	Message Tx Time(s)	
		128 Bytes	256 Bytes
2400	16.04	0.59	1.17
4800	8.021	0.29	0.59
9600	4.0104	0.15	0.29
19200	2.0052	0.07	0.15

Modbus on TCP/IP

Application Data Unit

The following describes the encapsulation of a Modbus request or response when it is carried on a Modbus TCP/IP network. See Figure 1-2.

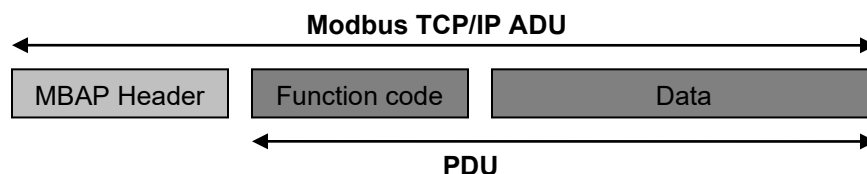


Figure 1-2. Modbus Request/Response Over TCP/IP

A dedicated header is used on TCP/IP to identify the Modbus Application Data Unit. It is called the MBAP header (Modbus Application Protocol header).

This header provides some differences compared to the Modbus RTU application data unit used on a serial line:

- The Modbus 'slave address' field usually used on Modbus Serial Line is replaced by a single byte 'Unit Identifier' within the MBAP header. The 'Unit Identifier' is used to communicate via devices such as bridges, routers, and gateways that use a single IP address to support multiple independent Modbus end units.
- All Modbus requests and responses are designed in such a way that the recipient can verify that a message is finished. For function codes where the Modbus PDU has a fixed length, the function code alone is sufficient. For function codes carrying a variable amount of data in the request or response, the data field includes a byte count.
- When Modbus is carried over TCP, additional length information is carried in the MBAP header to allow the recipient to recognize message boundaries even if the message has been split into multiple packets for transmission. The existence of explicit and implicit length rules and use of a CRC-32 error check code (on Ethernet) results in an infinitesimal chance of undetected corruption to a request or response message.

MBAP Header Description

The MBAP Header contains the fields listed in Table 1-2.

Table 1-2. MBAP Header Fields

Fields	Length	Description	Client	Server
Transaction Identifier	2 Bytes	Identification of a Modbus request/response transaction.	Initialized by the client.	Recopied by the server from the received request.
Protocol Identifier	2 Bytes	0 = Modbus protocol.	Initialized by the client.	Recopied by the server from the received request.
Length	2 Bytes	Number of following bytes.	Initialized by the client (request).	Initialized by the server (response).
Unit Identifier	1 Byte	Identification of a remote slave connected on a serial line or on other buses.	Initialized by the client.	Recopied by the server from the received request.

The header is 7 bytes long:

- *Transaction Identifier* – Used for transaction pairing, the Modbus server copies in the response the transaction identifier of the request.
- *Protocol Identifier* – Used for intra-system multiplexing. The Modbus protocol is identified by the value 0.
- *Length* – A byte count of the following fields, including the Unit Identifier and data fields.
- *Unit Identifier* – Used for intra-system routing purpose. It is typically used to communicate to a Modbus or a Modbus serial line slave through a gateway between an Ethernet TCP/IP network

and a Modbus serial line. This field is set by the Modbus Client in the request and must be returned with the same value in the response by the server.

Note: All Modbus TCP ADU are sent via TCP on registered port 502.

Error Handling and Exception Responses

Any query received that contains a non-existent device address, a framing error, or CRC error is ignored. No response is transmitted. Queries addressed to the DGC-2020HD with an unsupported function or illegal values in the data block result in an error response message with an exception response code. The exception response codes supported by the DGC-2020HD are provided in Table 1-3.

Table 1-3. Supported Exception Response Codes

Code	Name	Description
01	Illegal Function	The query Function/Subfunction Code is unsupported; query read of more than 125 registers; query preset of more than 100 registers.
02	Illegal Data Address	A register referenced in the data block does not support queried read/write; query preset of a subset of a numerical register group.
03	Illegal Data Value	A preset register data block contains an incorrect number of bytes or one or more data values out of range.

DGC-2020HD Modbus via Ethernet

Modbus can communicate through Ethernet if the IP address of the DGC-2020HD is configured as described in the *Communication* chapter in the *Configuration* manual.

Detailed Message Query and Response for RTU Transmission Mode

A detailed description of DGC-2020HD supported message queries and responses is provided in the following paragraphs.

Read Coils

Query

This query message requests a coil or coils to be read. The data block contains the starting coil address and the quantity of coils to be read. A coil address of N will read coil N+1. If the query is a broadcast (device address = 0), no response message is returned.

Device Address

Function Code = 01 (hex)

Starting Address Hi

Starting Address Lo

No. of Coils Hi

No. of Coils Lo

CRC Hi error check

CRC Lo error check

The number of coils cannot exceed 2000 without causing an error response with the exception code for an illegal function.

Response

The response message contains the data queried. The data block contains the block length in bytes followed by the data (one Data Hi byte and one Data Lo byte) for each requested coil.

Device Address

Function Code = 01 (hex)

No. of Coils Hi
 No. of Coils Lo
 Data Hi (For each requested coil, there is one Data Hi and one Data Lo.)
 Data Lo
 .
 .
 Data Hi
 Data Lo

Read Holding Registers

Query

This query message requests a register or block of registers to be read. The data block contains the starting register address and the quantity of registers to be read. A register address of N will read holding register N+1. If the query is a broadcast (device address = 0), no response message is returned.

Device Address
 Function Code = 03 (hex)
 Starting Address Hi
 Starting Address Lo
 No. of Registers Hi
 No. of Registers Lo
 CRC Hi error check
 CRC Lo error check

The number of registers cannot exceed 125 without causing an error response with the exception code for an illegal function.

Response

The response message contains the data queried. The data block contains the block length in bytes followed by the data (one Data Hi byte and one Data Lo byte) for each requested register.

Reading an unassigned holding register returns a value of zero.

Device Address
 Function Code = 03 (hex)
 Byte Count
 Data Hi (For each requested register, there is one Data Hi and one Data Lo.)
 Data Lo
 .
 .
 Data Hi
 Data Lo
 CRC Hi error check
 CRC Lo error check

Write Single Coil

A Write Single Coil query message requests a single coil to be written. If the query is a broadcast (device address = 0), no response message is returned.

Note: Only data types Int16, Int8, Uint16, Uint8, and String (not longer than 2 bytes) can be written by this function.

Query

Data will cease to be written if any of the following exceptions occur.

- A value of FF00 hex requests the coil to be On. A value of 0000 requests the coil to be Off. All other values will result in an error response with Exception Code "Illegal Data Value."

- Queries to write to Read Only coils result in an error response with Exception Code “Illegal Data Address.”
- A query to write an unallowed value (out of range) to a coil results in an error response with Exception Code “Illegal Data Value.”

Device Address

Function Code = 05 (hex)

Starting Address Hi

Starting Address Lo

Data Hi

Data Lo

CRC Hi error check

CRC Lo error check

Response

The response message echoes the Query message after the coil has been altered.

Device Address

Function Code = 05 (hex)

Starting Address Hi

Starting Address Lo

Data Hi

Data Lo

Preset Single Register

A Preset Single Register query message requests a single register to be written. If the query is a broadcast (device address = 0), no response message is returned.

Note: Only data types Int16, Int8, Uint16, Uint8, and String (not longer than 2 bytes), can be preset by this function.

Query

Data will cease to be written if any of the following exceptions occur.

- Queries to write to Read Only registers result in an error response with Exception Code of “Illegal Data Address”.
- A query to write an unallowed value (out of range) to a register results in an error response with Exception Code of “Illegal Data Value.”

Device Address

Function Code = 06 (hex)

Address Hi

Address Lo

Data Hi

Data Lo

CRC Hi error check

CRC Lo error check

Response

The response message echoes the Query message after the register has been altered.

Return Query Data

This query contains data to be returned (looped back) in the response. The response and query messages should be identical. If the query is a broadcast (device address = 0), no response message is returned.

Device Address

Function Code = 08 (hex)

Subfunction Hi = 00 (hex)

Subfunction Lo = 00 (hex)
 Data Hi = xx (don't care)
 Data Lo = xx (don't care)

CRC Hi error check
 CRC Lo error check

Restart Communications Option

This query causes the remote communications function of the DGC-2020HD to restart, terminating an active listen only mode of operation. No effect is made upon primary relay operations. Only the remote communications function is affected. If the query is a broadcast (device address = 0), no response message is returned.

If the DGC-2020HD receives this query while in the listen only mode, no response message is generated. Otherwise, a response message identical to the query message is transmitted prior to the communications restart.

Device Address

Function Code = 08 (hex)
 Subfunction Hi = 00 (hex)
 Subfunction Lo = 01 (hex)
 Data Hi = xx (don't care)
 Data Lo = xx (don't care)
 CRC Hi error check
 CRC Lo error check

Listen Only Mode

This query forces the addressed DGC-2020HD to the listen only mode for Modbus communications, isolating it from other devices on the network. No responses are returned.

While in the listen only mode, the DGC-2020HD continues to monitor all queries. The DGC-2020HD does not respond to any other query until the listen only mode is removed. All write requests with a query to Preset Multiple Registers (Function Code = 16) are also ignored. When the DGC-2020HD receives the restart communications query, the listen only mode is removed.

Device Address

Function Code = 08 (hex)
 Subfunction Hi = 00 (hex)
 Subfunction Lo = 04 (hex)
 Data Hi = xx (don't care)
 Data Lo = xx (don't care)
 CRC Hi error check
 CRC Lo error check

Write Multiple Coils

A Write Multiple Coil query message requests N coils to be written. If the query is a broadcast (device address = 0), no response message is returned.

Note: Only data types Int16, Int8, Uint16, Uint8, and String (not longer than 2 bytes) can be written by this function.

Query

Data will cease to be written if any of the following exceptions occur.

- A value of FF00 hex requests the coil to be On. A value of 0000 requests the coil to be Off. All other values will result in an error response with Exception Code "Illegal Data Value."
- Queries to write to Read Only coils result in an error response with Exception Code "Illegal Data Address."

- A query to write an unallowed value (out of range) to a coil results in an error response with Exception Code “Illegal Data Value.”

Device Address

Function Code = 0F (hex)

Starting Address Hi

Starting Address Lo

No. of Coils Hi

No. of Coils Lo

Byte Count

Data Hi

Data Lo

.

Data Hi

Data Lo

CRC Hi error check

CRC Lo error check

Response

The response message echoes the Query message after the coils have been altered.

Preset Multiple Registers

A preset multiple registers query could address multiple registers in one slave or multiple slaves. If the query is a broadcast (device address = 0), no response message is returned.

Query

A Preset Multiple Register query message requests a register or block of registers to be written. The data block contains the starting address and the quantity of registers to be written, followed by the Data Block byte count and data. The DGC-2020HD will perform the write when the device address in query is a broadcast address or the same as the DGC-2020HD Modbus Unit ID (device address).

A register address of N will write Holding Register N+1.

Data will cease to be written if any of the following exceptions occur:

- Queries to write to Read Only registers result in an error response with Exception Code “Illegal Data Address.”
- Queries attempting to write more than 100 registers cause an error response with Exception Code “Illegal Function.”
- An incorrect Byte Count will result in an error response with Exception Code “Illegal Data Value.”
- There are several instances of registers that are grouped together to collectively represent a single numerical DGC-2020HD data value (i.e. - floating point data, 32-bit integer data, and strings). A query to write a subset of such a register group will result in an error response with Exception Code “Illegal Data Address.”
- A query to write a not allowed value (out of range) to a register results in an error response with Exception Code “Illegal Data Value.”

Device Address

Function Code = 10 (hex)

Starting Address Hi

Starting Address Lo

No. of Registers Hi

No. of Registers Lo

Byte Count

Data Hi

Data Lo

.
.
Data Hi
Data Lo
CRC Hi error check
CRC Lo error check

Response

The response message echoes the starting address and the number of registers. There is no response message when the query is a broadcast (device address = 0).

Device Address
Function Code = 10 (hex)
Starting Address Hi
Starting Address Lo
No. of Registers Hi
No. of Registers Lo
CRC Hi Error Check
CRC Lo Error Check

Mask Write Register

Query

This query will modify the contents of a specified holding register using a combination of an AND mask, an OR mask, and the register's current contents. A register address of N will write to register N+1.

Device Address
Function Code = 16 (hex)
Starting Address Hi
Starting Address Lo
AND Mask Hi
AND Mask Lo
OR Mask Hi
OR Mask Lo
CRC Hi error check
CRC Lo error check

Response

The response message contains the starting address as well as the “AND” and “OR” masks.

Device Address
Function Code = 16 (hex)
Starting Address Hi
Starting Address Lo
AND Mask Hi
AND Mask Lo
OR Mask Hi
OR Mask Lo

Write/Read Group of Registers

Query

This query message requests a register or block of registers to be written and to be read in the same transaction. The data block contains the starting register address and the quantity of registers to be read. A register address of N will read register N+1.

Device Address
Function Code = 17 (hex)

No. of Registers Hi
 No. of Registers Lo
 Starting Address Hi
 Starting Address Lo
 Data Hi
 Data Lo
 .
 .
 Data Hi
 Data Lo
 CRC Hi error check
 CRC Lo error check

Response

The response message contains the data queried. The data block contains the block length in bytes followed by the written data (one Data Hi byte and one Data Lo byte) for each requested register.

Device Address
 Function Code = 16 (hex)
 Byte Count
 Data Hi
 Data Lo
 .
 .
 Data Hi
 Data Lo

Data Formats

DGC-2020HD systems support the following data types:

- Data types mapped to 1 register
 - Unsigned Integer 8 (Uint8)
 - Unsigned Integer 16 (Uint16)
 - Strings maximum 2 characters long (String)
- Data types mapped to 2 registers
 - Signed Integer 32 (Int32)
 - Unsigned Integer 32 (Uint32)
 - 32-bit bit-mapped parameters
 - Floating Point (Float)
 - IP Address (IP Address)
 - Strings maximum 4 characters long (String)
- Data types mapped to more than 2 registers
 - Strings longer than 4 characters (String)

Short Integer Data Format/Byte Character Data Format (Uint8)

The Modbus short integer data format uses a single holding register to represent an 8-bit data value. The holding register high byte will always be zero.

Example: The value 132 represented in short integer format is hexadecimal 0x84. This number will read from a holding register as follows:

Holding Register	Value
K (Hi Byte)	hex 00
K (Lo Byte)	hex 84

The same byte alignments are required to write.

Integer Data Format (Uint16) or Bit-Mapped Variables in Uint16 Format

The Modbus integer data format uses a single holding register to represent a 16-bit data value.

Example: The value 4660 represented in integer format is hexadecimal 0x1234. This number will read from a holding register as follows:

Holding Register	Value
K (Hi Byte)	hex 12
K (Lo Byte)	hex 34

The same byte alignments are required to write.

The Uint16 Data Format is listed in *Binary Points* below.

Example: Register 1100 occupies 16 rows in the Register Table where each row gives the name of specific bit-mapped data such as 1100-0 indicates bit 0 of register 1100 is mapped to RF-TRIG.

Long Integer Data Format (Uint32, Int32, and IP Address)

The Modbus long integer data format uses two consecutive holding registers to represent a 32-bit data value. The first register contains the low-order 16 bits and the second register contains the high-order 16 bits.

Example: The value 95,800 represented in long integer format is hexadecimal 0x00017638. This number will read from two consecutive holding registers as follows:

Holding Register	Value
K (Hi Byte)	hex 76
K (Lo Byte)	hex 38
K+1(Hi Byte)	hex 00
K+1(Lo Byte)	hex 01

The same byte alignments are required to write.

32-bit Bit-Mapped Parameter Mapping

The register arrangement for 32-bit bit-mapped parameters is illustrated in Figure 1-3. The Alarm Metering registers 44812 and 44813 in the legacy Modbus map are shown as an example. In this example, Bit 25 is set indicating an Overcrank condition and Bit 17 is set indicating a Global Alarm.

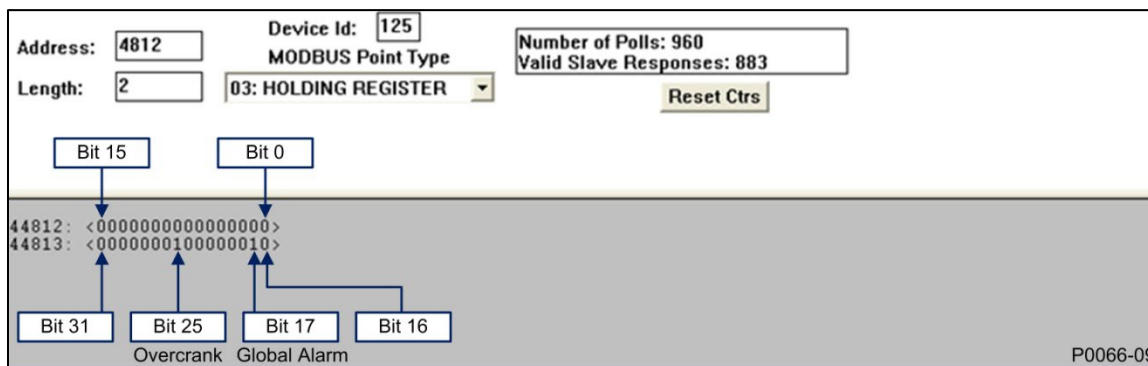


Figure 1-3. 32-Bit Bit-Mapped Parameter Mapping

The Alarm Metering register bits are defined as follows:

- Bit 0 through Bit 15 = Not Used
- Bit 16 = Unexpected Shutdown
- Bit 17 = Global Alarm
- Bit 18 = Auto Restart Failure
- Bit 19 = Fuel Leak Detect
- Bit 20 = Battery Charger Failure
- Bit 21 = Transfer Fail
- Bit 22 = Low Coolant Level
- Bit 23 = ECU Shutdown
- Bit 24 = Emergency Shutdown
- Bit 25 = Overcrank
- Bit 26 = Loss of ECU Comms
- Bit 27 = Global Sender Fail
- Bit 28 = Low Fuel Level
- Bit 29 = Low Oil Pressure
- Bit 30 = Hi Coolant Temp
- Bit 31 = Overspeed

Floating Point Data Format (Float)

The Modbus floating point data format uses two consecutive holding registers to represent a data value. The first register contains the low-order 16 bits of the following 32-bit format:

- MSB is the sign bit for the floating-point value (0 = positive).
- The next 8 bits are the exponent biased by 127 decimal.
- The 23 LSBs comprise the normalized mantissa. The most-significant bit of the mantissa is always assumed to be 1 and is not explicitly stored, yielding an effective precision of 24 bits.

The value of the floating-point number is obtained by multiplying the binary mantissa times two raised to the power of the unbiased exponent. The assumed bit of the binary mantissa has the value of 1.0, with the remaining 23 bits providing a fractional value. Table 1-4 shows the floating-point format.

Table 1-4. Floating Point Format

Sign	Exponent + 127	Mantissa
1 Bit	8 Bits	23 Bits

The floating-point format allows for values ranging from approximately 8.43×10^{-37} to 3.38×10^{38} . A floating-point value of all zeroes is the value zero. A floating-point value of all ones (not a number) signifies a value currently not applicable or disabled.

Example: The value 95,800 represented in floating-point format is hexadecimal 47BB1C00. This number will read from two consecutive holding registers as follows:

Holding Register	Value
K (Hi Byte)	hex 1C
K (Lo Byte)	hex 00
K+1(Hi Byte)	hex 47
K+1(Lo Byte)	hex BB

The same byte alignments are required to write.

String Data Format (String)

The Modbus string data format uses one or more holding registers to represent a sequence, or string, of character values. If the string contains a single character, the holding register high byte will contain the ASCII character code and the low byte will be zero.

Example: The string "PASSWORD" represented in string format will read as follows:

Holding Register	Value
K (Hi Byte)	'P'
K (Lo Byte)	'A'
K+1(Hi Byte)	'S'
K+1(Lo Byte)	'S'
K+2(Hi Byte)	'W'
K+2(Lo Byte)	'O'

K+3(Hi Byte) 'R'
 K+3(Lo Byte) 'D'

Example: If the above string is changed to "P", the new string will read as follows:

<u>Holding Register</u>	<u>Value</u>
K (Hi Byte)	'P'
K (Lo Byte)	hex 00
K+1(Hi Byte)	hex 00
K+1(Lo Byte)	hex 00
K+2(Hi Byte)	hex 00
K+2(Lo Byte)	hex 00
K+3(Hi Byte)	hex 00
K+3(Lo Byte)	hex 00

The same byte alignments are required to write.

CRC Error Check

This field contains a two-byte CRC value for transmission error detection. The master first calculates the CRC and appends it to the query message. The DGC-2020HD system recalculates the CRC value for the received query and performs a comparison to the query CRC value to determine if a transmission error has occurred. If so, no response message is generated. If no transmission error has occurred, the slave calculates a new CRC value for the response message and appends it to the message for transmission.

The CRC calculation is performed using all bytes of the device address, function code, and data block fields. A 16-bit CRC-register is initialized to all 1's. Then each eight-bit byte of the message is used in the following algorithm:

First, exclusive-OR the message byte with the low-order byte of the CRC-register. The result, stored in the CRC-register, will then be right-shifted eight times. The CRC-register MSB is zero-filled with each shift. After each shift, the CRC-register LSB is examined. If the LSB IS a 1, the CRC-register is then exclusive-ORed with the fixed polynomial value A001 (hex) prior to the next shift. Once all bytes of the message have undergone the above algorithm, the CRC-register will contain the message CRC value to be placed in the error check field.

Secure DGC-2020HD Login via Modbus

To login to the DGC-2020HD via Modbus, write the string username|password to the Secure Login register (1500). Substitute "username" with the username of the desired access level, include the pipe "|" symbol, and substitute "password" with the password of the chosen access level. To view the current access level, read the Current Access register (1520). Write any value to the Logout register (1517) to log out of the DGC-2020HD. Upon disconnecting from Modbus over TCP/IP, the user is automatically logged out of the DGC-2020HD. However, upon disconnecting from Modbus over serial line, the user remains logged in.

2 • General Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Reserved		1-35						
Land Line Modem	Modem Answer Rings	37	UInt8	1	R W	n/a	1	1 - 9
Land Line Modem	Modem Offline Delay	38	UInt16	2	R W	Minute	1	1 - 240
Land Line Modem	Inter Dialout Activation Delay	39	UInt8	1	R W	n/a	n/a	15 SEC=15 30 SEC=30 60 SEC=60 120 SEC=120
Land Line Modem	Pager Buffer Limit	40	UInt8	1	R W	n/a	n/a	80 CHARS=80 120 CHARS=120 160 CHARS=160 200 CHARS=200
Land Line Modem	Pager Comms Data Format	41	UInt8	1	R W	n/a	n/a	8 Bit No Parity=0 7 Bit Even Parity=1
System Data	Model Number	42	String	64	R	n/a	n/a	0 - 64
System Data	Firmware Part Number	74	String	64	R	n/a	n/a	0 - 64
System Data	External Version	106	String	32	R	n/a	n/a	0 - 32
System Data	External Boot Version	122	String	32	R	n/a	n/a	0 - 32
Time	Date	138	String	16	R	n/a	n/a	0 - 16
Time	Time	146	String	16	R	n/a	n/a	0 - 16
Time	Year	154	UInt32	4	R W	n/a	1	2000 - 2099
Time	Month	156	UInt32	4	R W	n/a	1	1 - 12
Time	Day	158	UInt32	4	R W	n/a	1	1 - 31
Time	Hour	160	UInt32	4	R W	n/a	1	0 - 23
Time	Minute	162	UInt32	4	R W	n/a	1	0 - 59
Time	Second	164	UInt32	4	R W	n/a	1	0 - 59
Time	Millisecond	166	UInt32	4	R W	n/a	1	0 - 999
Time	Time Zone Hour Offset	168	Int32	4	R W	n/a	1	-24 - 24
Time	Time Zone Minute Offset	170	Int32	4	R W	n/a	1	-59 - 59
Time	DST Config	172	UInt32	4	R W	n/a	n/a	Disabled=0 Floating=1 Fixed=2
Time	DST UTC Respective	174	UInt32	4	R W	n/a	n/a	No=0 Yes=1
Time	DST Start Month	176	UInt32	4	R W	n/a	n/a	January=0 February=1 March=2 April=3 May=4 June=5 July=6 August=7 September=8 October=9 November=10 December=11
Time	DST Start Day	178	UInt32	4	R W	n/a	1	1 - 31
Time	DST Start Week Of Month	180	UInt32	4	R W	n/a	n/a	First=0 Second=1 Third=2 Fourth=3 Last=4
Time	DST Start Day Of Week	182	UInt32	4	R W	n/a	n/a	Sunday=0 Monday=1 Tuesday=2 Wednesday=3 Thursday=4 Friday=5 Saturday=6
Time	DST Start Hour	184	UInt32	4	R W	n/a	1	0 - 23
Time	DST Start Minute	186	UInt32	4	R W	n/a	1	0 - 59
Time	DST End Month	188	UInt32	4	R W	n/a	n/a	January=0 February=1 March=2 April=3 May=4 June=5 July=6 August=7 September=8 October=9 November=10 December=11
Time	DST End Day	190	UInt32	4	R W	n/a	1	1 - 31

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Time	DST End Week Of Month	192	UInt32	4	R W	n/a	n/a	First=0 Second=1 Third=2 Fourth=3 Last=4
Time	DST End Day Of Week	194	UInt32	4	R W	n/a	n/a	Sunday=0 Monday=1 Tuesday=2 Wednesday=3 Thursday=4 Friday=5 Saturday=6
Time	DST End Hour	196	UInt32	4	R W	n/a	1	0 - 23
Time	DST End Minute	198	UInt32	4	R W	n/a	1	0 - 59
Time	DST Bias Hours	200	Int32	4	R W	n/a	1	-23 - 23
Time	DST Bias Minutes	202	Int32	4	R W	n/a	1	-59 - 59
Time	Twelve-Hour Mode	204	UInt32	4	R W	n/a	n/a	12 Hour Mode=0 24 Hour Mode=1
Time	Date Format	206	UInt32	4	R W	n/a	n/a	YYYY-MM-DD=0 MM-DD-YYYY=1 DD-MM-YYYY=2
Unit Information	Style Number	222	String	32	R W	n/a	n/a	0 - 32
Unit Information	Serial Number	238	String	32	R W	n/a	n/a	0 - 32
Load Detection	EPS Threshold	240	UInt32	4	R W	Percent	1	3 - 10
Load Detection	Low-Line Scale	242	Float	4	R W	n/a	0.001	0.001 - 3
Load Share Settings	System Type	244	UInt32	4	R W	n/a	n/a	Single Generator=0 Multiple Generator=1 Segmented Bus System=2
Load Share Settings	Enable Comms Fail Pre Alarm	246	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Auto Restart	Auto Restart Enable	248	UInt32	4	R W	n/a	n/a	No=0 Yes=1
Auto Restart	Auto Restart Timeout Sec	250	UInt32	4	R W	Second	30	30 - 1800
Auto Restart	Auto Restart Attempts	252	UInt32	4	R W	n/a	1	1 - 10
ECU Config	CAN Bus Enabled By User	254	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	DTC Enable	256	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	J1939 Source Address	258	UInt32	4	R W	n/a	1	1 - 253
ECU Config	ECU Control Output	260	UInt32	4	R W	n/a	n/a	FL CNTCT=0 PS CNTCT=1
ECU Config	Pulsing Enable	262	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	ECU Settling Time	264	UInt32	4	R W	Millisecond	1	5500 - 30000
ECU Config	ECU Pulse Cycle Time	266	UInt32	4	R W	Minute	1	1 - 60
ECU Config	ECU Disconnect Time	268	UInt32	4	R W	Second	1	1 - 60
ECU Config	ECU Connect Time	270	UInt32	4	R W	Second	1	1 - 60
ECU Config	CAN Bus Eng Ctrl Param Transmit Enable	272	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	Requested <i>mtu</i> SMC Eng Operating Mode	274	UInt32	4	R W	n/a	1	1 - 2
ECU Config	SPN Conversion Method	276	UInt32	4	R W	n/a	1	1 - 4
ECU Config	Voltage Regulator CAN bus type	278	UInt32	4	R W	n/a	n/a	None=0 Marathon=1 Basler=2 J1939=3
ECU Config	Voltage Regulator Primary Voltage Setpoint	280	UInt32	4	R W	Decivolt	1	1000 - 9999990
ECU Config	Voltage Regulator Alternate Voltage Setpoint	282	UInt32	4	R W	Decivolt	1	1000 - 9999990
ECU Config	Voltage Regulator Voltage Adjust Bandwidth	284	UInt32	4	R W	Centivolt	1	0 - 3000
ECU Config	Voltage Regulator Field Current	286	UInt32	4	R W	Milliamp	1	0 - 3000000
ECU Config	Voltage Regulator Primary Underfrequency Knee	288	UInt32	4	R W	Decihertz	1	400 - 700
ECU Config	Voltage Regulator Alternate Underfrequency Knee	290	UInt32	4	R W	Centiunit	1	400 - 700
ECU Config	Voltage Regulator Underfrequency Slope	292	UInt32	4	R W	n/a	1	100 - 500
ECU Config	ECU Comms Fail Pre-Alarm Enable	294	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	Active DTC Pre-Alarm Enable Data	296	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Auto Transfer Switch	Contact Input	298	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Auto Transfer Switch	Contact Recognition	300	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Auto Transfer Switch	Alarm Configuration	302	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Auto Transfer Switch	Activation Delay	304	Uint32	4	R W	Second	1	0 - 300
Grounded Delta Override	Contact Input	306	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Grounded Delta Override	Contact Recognition	308	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Grounded Delta Override	Alarm Configuration	310	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Grounded Delta Override	Activation Delay	312	Uint32	4	R W	Second	1	0 - 300
Battle Override	Contact Input	314	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Battle Override	Contact Recognition	316	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Battle Override	Alarm Configuration	318	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Battle Override	Activation Delay	320	Uint32	4	R W	Second	1	0 - 300
Low-Line Override	Contact Input	322	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Low-Line Override	Contact Recognition	324	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Low-Line Override	Alarm Configuration	326	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Low-Line Override	Activation Delay	328	Uint32	4	R W	Second	1	0 - 300
Single-Phase AC Override	Contact Input	330	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Single-Phase AC Override	Contact Recognition	332	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Single-Phase AC Override	Alarm Configuration	334	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Single-Phase AC Override	Activation Delay	336	Uint32	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Battery Charger Fail	Contact Input	338	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Battery Charger Fail	Contact Recognition	340	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Battery Charger Fail	Alarm Configuration	342	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Battery Charger Fail	Activation Delay	344	Uint32	4	R W	Second	1	0 - 300
Low Coolant Level	Contact Input	346	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Low Coolant Level	Contact Recognition	348	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Low Coolant Level	Alarm Configuration	350	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Low Coolant Level	Activation Delay	352	Uint32	4	R W	Second	1	0 - 300
Fuel Leak Detect	Contact Input	354	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Fuel Leak Detect	Contact Recognition	356	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Fuel Leak Detect	Alarm Configuration	358	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Fuel Leak Detect	Activation Delay	360	Uint32	4	R W	Second	1	0 - 300
Emergency Stop	Contact Input	362	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Emergency Stop	Contact Recognition	364	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Emergency Stop	Alarm Configuration	366	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Emergency Stop	Activation Delay	368	Uint32	4	R W	Second	1	0 - 300
Single-Phase Override	Contact Input	370	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
Single-Phase Override	Contact Recognition	372	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 1	Contact Recognition	374	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 1	Alarm Configuration	376	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 1	Activation Delay	378	Uint32	4	R W	Second	1	0 - 300
Config Element 2	Contact Recognition	380	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 2	Alarm Configuration	382	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 2	Activation Delay	384	Uint32	4	R W	Second	1	0 - 300
Config Element 3	Contact Recognition	386	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Element 3	Alarm Configuration	388	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 3	Activation Delay	390	Uint32	4	R W	Second	1	0 - 300
Config Element 4	Contact Recognition	392	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 4	Alarm Configuration	394	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 4	Activation Delay	396	Uint32	4	R W	Second	1	0 - 300
Config Element 5	Contact Recognition	398	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 5	Alarm Configuration	400	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 5	Activation Delay	402	Uint32	4	R W	Second	1	0 - 300
Config Element 6	Contact Recognition	404	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 6	Alarm Configuration	406	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 6	Activation Delay	408	Uint32	4	R W	Second	1	0 - 300
Config Element 7	Contact Recognition	410	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 7	Alarm Configuration	412	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 7	Activation Delay	414	Uint32	4	R W	Second	1	0 - 300
Config Element 8	Contact Recognition	416	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 8	Alarm Configuration	418	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 8	Activation Delay	420	Uint32	4	R W	Second	1	0 - 300
Contact Input 1	Contact Recognition	422	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 1	Alarm Configuration	424	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 1	Activation Delay	426	Uint32	4	R W	Second	1	0 - 300
Contact Input 2	Contact Recognition	428	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Contact Input 2	Alarm Configuration	430	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 2	Activation Delay	432	Uint32	4	R W	Second	1	0 - 300
Contact Input 3	Contact Recognition	434	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 3	Alarm Configuration	436	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 3	Activation Delay	438	Uint32	4	R W	Second	1	0 - 300
Contact Input 4	Contact Recognition	440	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 4	Alarm Configuration	442	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 4	Activation Delay	444	Uint32	4	R W	Second	1	0 - 300
Contact Input 5	Contact Recognition	446	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 5	Alarm Configuration	448	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 5	Activation Delay	450	Uint32	4	R W	Second	1	0 - 300
Contact Input 6	Contact Recognition	452	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 6	Alarm Configuration	454	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 6	Activation Delay	456	Uint32	4	R W	Second	1	0 - 300
Contact Input 7	Contact Recognition	458	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 7	Alarm Configuration	460	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 7	Activation Delay	462	Uint32	4	R W	Second	1	0 - 300
Contact Input 8	Contact Recognition	464	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 8	Alarm Configuration	466	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 8	Activation Delay	468	Uint32	4	R W	Second	1	0 - 300
Contact Input 9	Contact Recognition	470	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Contact Input 9	Alarm Configuration	472	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 9	Activation Delay	474	Uint32	4	R W	Second	1	0 - 300
Contact Input 10	Contact Recognition	476	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 10	Alarm Configuration	478	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 10	Activation Delay	480	Uint32	4	R W	Second	1	0 - 300
Contact Input 11	Contact Recognition	482	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 11	Alarm Configuration	484	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 11	Activation Delay	486	Uint32	4	R W	Second	1	0 - 300
Contact Input 12	Contact Recognition	488	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 12	Alarm Configuration	490	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 12	Activation Delay	492	Uint32	4	R W	Second	1	0 - 300
Contact Input 13	Contact Recognition	494	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 13	Alarm Configuration	496	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 13	Activation Delay	498	Uint32	4	R W	Second	1	0 - 300
Contact Input 14	Contact Recognition	500	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 14	Alarm Configuration	502	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 14	Activation Delay	504	Uint32	4	R W	Second	1	0 - 300
Contact Input 15	Contact Recognition	506	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Contact Input 15	Alarm Configuration	508	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 15	Activation Delay	510	Uint32	4	R W	Second	1	0 - 300
Contact Input 16	Contact Recognition	512	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Contact Input 16	Alarm Configuration	514	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Contact Input 16	Activation Delay	516	Uint32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 1	Contact Recognition	518	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 1	Alarm Configuration	520	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 1	Activation Delay	522	Uint32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 2	Contact Recognition	524	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 2	Alarm Configuration	526	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 2	Activation Delay	528	Uint32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 3	Contact Recognition	530	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 3	Alarm Configuration	532	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 3	Activation Delay	534	Uint32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 4	Contact Recognition	536	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 4	Alarm Configuration	538	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 4	Activation Delay	540	Uint32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 5	Contact Recognition	542	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 5	Alarm Configuration	544	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 5	Activation Delay	546	Uint32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 6	Contact Recognition	548	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 6	Alarm Configuration	550	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 6	Activation Delay	552	Uint32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 7	Contact Recognition	554	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 1 Contact Input 7	Alarm Configuration	556	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 7	Activation Delay	558	UInt32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 8	Contact Recognition	560	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 8	Alarm Configuration	562	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5
CEM 1 Contact Input 8	Activation Delay	564	UInt32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 9	Contact Recognition	566	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 9	Alarm Configuration	568	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 9	Activation Delay	570	UInt32	4	R W	Second	1	0 - 300
CEM 1 Contact Input 10	Contact Recognition	572	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 1 Contact Input 10	Alarm Configuration	574	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 1 Contact Input 10	Activation Delay	576	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 1	Contact Recognition	578	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 1	Alarm Configuration	580	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 1	Activation Delay	582	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 2	Contact Recognition	584	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 2	Alarm Configuration	586	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 2	Activation Delay	588	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 3	Contact Recognition	590	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 3	Alarm Configuration	592	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 3	Activation Delay	594	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 4	Contact Recognition	596	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 2 Contact Input 4	Alarm Configuration	598	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 4	Activation Delay	600	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 5	Contact Recognition	602	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 5	Alarm Configuration	604	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 5	Activation Delay	606	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 6	Contact Recognition	608	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 6	Alarm Configuration	610	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 6	Activation Delay	612	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 7	Contact Recognition	614	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 7	Alarm Configuration	616	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 7	Activation Delay	618	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 8	Contact Recognition	620	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 8	Alarm Configuration	622	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 8	Activation Delay	624	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 9	Contact Recognition	626	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 9	Alarm Configuration	628	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 9	Activation Delay	630	UInt32	4	R W	Second	1	0 - 300
CEM 2 Contact Input 10	Contact Recognition	632	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 2 Contact Input 10	Alarm Configuration	634	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 2 Contact Input 10	Activation Delay	636	UInt32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 1	Contact Recognition	638	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 3 Contact Input 1	Alarm Configuration	640	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 1	Activation Delay	642	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 2	Contact Recognition	644	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 2	Alarm Configuration	646	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 2	Activation Delay	648	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 3	Contact Recognition	650	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 3	Alarm Configuration	652	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 3	Activation Delay	654	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 4	Contact Recognition	656	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 4	Alarm Configuration	658	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 4	Activation Delay	660	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 5	Contact Recognition	662	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 5	Alarm Configuration	664	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 5	Activation Delay	666	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 6	Contact Recognition	668	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 6	Alarm Configuration	670	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 6	Activation Delay	672	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 7	Contact Recognition	674	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 7	Alarm Configuration	676	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 7	Activation Delay	678	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 8	Contact Recognition	680	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 3 Contact Input 8	Alarm Configuration	682	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 8	Activation Delay	684	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 9	Contact Recognition	686	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 9	Alarm Configuration	688	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 9	Activation Delay	690	Uint32	4	R W	Second	1	0 - 300
CEM 3 Contact Input 10	Contact Recognition	692	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 3 Contact Input 10	Alarm Configuration	694	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 3 Contact Input 10	Activation Delay	696	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 1	Contact Recognition	698	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 1	Alarm Configuration	700	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 1	Activation Delay	702	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 2	Contact Recognition	704	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 2	Alarm Configuration	706	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 2	Activation Delay	708	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 3	Contact Recognition	710	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 3	Alarm Configuration	712	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 3	Activation Delay	714	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 4	Contact Recognition	716	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 4	Alarm Configuration	718	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 4	Activation Delay	720	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 5	Contact Recognition	722	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 4 Contact Input 5	Alarm Configuration	724	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 5	Activation Delay	726	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 6	Contact Recognition	728	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 6	Alarm Configuration	730	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 6	Activation Delay	732	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 7	Contact Recognition	734	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 7	Alarm Configuration	736	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 7	Activation Delay	738	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 8	Contact Recognition	740	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 8	Alarm Configuration	742	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 8	Activation Delay	744	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 9	Contact Recognition	746	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 9	Alarm Configuration	748	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 9	Activation Delay	750	Uint32	4	R W	Second	1	0 - 300
CEM 4 Contact Input 10	Contact Recognition	752	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 4 Contact Input 10	Alarm Configuration	754	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 4 Contact Input 10	Activation Delay	756	Uint32	4	R W	Second	1	0 - 300
Auto Config Detect	Enable	758	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Auto Config Detect	Single-Phase Detection Threshold	760	Float	4	R W	Volt	1	0 - 480
Auto Config Detect	Single-Phase Detection Gen Connection	762	Uint32	4	R W	n/a	n/a	AB=0 AC=1
Auto Config Detect	Low-Line Detection Threshold	764	Float	4	R W	Volt	1	0 - 480
ECU Config	MDEC Module Type	766	Uint32	4	R W	n/a	n/a	201=1 302=2 303=3 304=4

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
ECU Config	MDEC Speed Demand Source	768	Uint32	4	R W	n/a	n/a	ALG CAN=0 U/D ECU=1 U/D CAN=2 ALG ECU=3 Frequency=4 DEF ECU=5
ECU Config	G Volvo Accel Pedal Position	770	Uint32	4	R W	Percent	1	0 - 100
ECU Config	Volvo RPM Select	772	Uint32	4	R W	n/a	n/a	Primary=0 Secondary=1
ECU Config	J1939 Start/Stop Config	774	Uint32	4	R W	n/a	n/a	Standard=0 Volvo Penta=1 <i>mtu</i> MDEC=2 <i>mtu</i> ADEC=3 <i>mtu</i> ECU7/8=4 GM/Doosan=5 Cummins=6 <i>mtu</i> SMC=7 Scania=8 John Deere=9 Isuzu=10 Daimler CPC4=11 Woodward PG Plus=12 Deutz=13 Fiat FPT=14
ECU Config	<i>mtu</i> Request Test Overspeed	776	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Governor Switchover Parameters	778	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Intermittent Oil Prime Request	780	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Trip Info Reset Request	782	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Speed Inc	784	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Speed Dec	786	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Speed Demand Limit Boolean	788	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Mode Switch	790	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Increased Idle	792	Uint32	4	R W	n/a	n/a	0 - 1000
ECU Config	<i>mtu</i> Gov Param Set Select	794	Uint32	4	R W	n/a	n/a	0 - 1000
ECU Config	<i>mtu</i> Fan Override	796	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Prime On Engine Start	798	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Can Rating SW 1	800	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Can Rating SW 2	802	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Disable Cylinder Cutout 1	804	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Disable Cylinder Cutout 2	806	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	<i>mtu</i> Ecu 7 Module Type	808	Uint32	4	R W	n/a	n/a	501=0 502=1
ECU Config	<i>mtu</i> Nmt Alive Repeat Milliseconds	810	Uint32	4	R W	Millisecond	100	100 - 500
ECU Config	Generator Parameter Transmit Enable	812	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	DPF Manual Regenerate	814	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	DPF Regeneration Disable	816	Uint32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	J1939 Speed Torque Transmit Enable	818	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	Clear Active DTC List	820	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear Previous DTC List	822	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	John Deere Regeneration Interlock	824	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Email	SMTP Server IP Address	826	IP Address	4	R W	n/a	n/a	n/a
Email	Mode	828	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Broadcast Logic	Enable	830	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Load Share Settings	Aux Input	832	Uint32	4	R W	n/a	n/a	Analog Input 1=0 Analog Input 2=1 Analog Input 3=2 Analog Input 4=3 AEM 1 Analog Input 1=4 AEM 1 Analog Input 2=5 AEM 1 Analog Input 3=6 AEM 1 Analog Input 4=7 AEM 1 Analog Input 5=8 AEM 1 Analog Input 6=9 AEM 1 Analog Input 7=10 AEM 1 Analog Input 8=11 AEM 2 Analog Input 1=12 AEM 2 Analog Input 2=13 AEM 2 Analog Input 3=14 AEM 2 Analog Input 4=15 AEM 2 Analog Input 5=16 AEM 2 Analog Input 6=17 AEM 2 Analog Input 7=18 AEM 2 Analog Input 8=19 AEM 3 Analog Input 1=20 AEM 3 Analog Input 2=21 AEM 3 Analog Input 3=22 AEM 3 Analog Input 4=23 AEM 3 Analog Input 5=24 AEM 3 Analog Input 6=25 AEM 3 Analog Input 7=26 AEM 3 Analog Input 8=27 AEM 4 Analog Input 1=28 AEM 4 Analog Input 2=29 AEM 4 Analog Input 3=30 AEM 4 Analog Input 4=31 AEM 4 Analog Input 5=32 AEM 4 Analog Input 6=33 AEM 4 Analog Input 7=34 AEM 4 Analog Input 8=35
ECU Config	Engine ECU Address	834	Uint32	4	R W	n/a	1	0 - 254
ECU Config	Coolant Temperature Source	836	Uint32	4	R W	n/a	n/a	ECU=0 DGC Input=1
ECU Config	Oil Pressure Source	838	Uint32	4	R W	n/a	n/a	ECU=0 DGC Input=1
Contact Input 1	Contact Type	840	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 2	Contact Type	842	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 3	Contact Type	844	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 4	Contact Type	846	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Contact Input 5	Contact Type	848	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 6	Contact Type	850	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 7	Contact Type	852	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 8	Contact Type	854	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 9	Contact Type	856	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 10	Contact Type	858	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 11	Contact Type	860	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 12	Contact Type	862	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 13	Contact Type	864	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 14	Contact Type	866	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 15	Contact Type	868	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
Contact Input 16	Contact Type	870	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 1	Contact Type	872	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 2	Contact Type	874	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 3	Contact Type	876	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 4	Contact Type	878	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 5	Contact Type	880	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 6	Contact Type	882	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 7	Contact Type	884	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 8	Contact Type	886	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 9	Contact Type	888	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 1 Contact Input 10	Contact Type	890	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 1	Contact Type	892	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 2	Contact Type	894	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 3	Contact Type	896	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 4	Contact Type	898	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 5	Contact Type	900	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 6	Contact Type	902	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 7	Contact Type	904	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 8	Contact Type	906	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 9	Contact Type	908	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 2 Contact Input 10	Contact Type	910	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 1	Contact Type	912	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 2	Contact Type	914	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 3	Contact Type	916	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 4	Contact Type	918	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 5	Contact Type	920	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 6	Contact Type	922	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 7	Contact Type	924	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 3 Contact Input 8	Contact Type	926	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 9	Contact Type	928	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 3 Contact Input 10	Contact Type	930	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 1	Contact Type	932	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 2	Contact Type	934	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 3	Contact Type	936	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 4	Contact Type	938	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 5	Contact Type	940	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 6	Contact Type	942	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 7	Contact Type	944	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 8	Contact Type	946	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 9	Contact Type	948	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 4 Contact Input 10	Contact Type	950	UInt32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
OEL	Alarm Configuration	952	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
OEL	Activation Delay	954	Float	4	R W	n/a	0.1	0 - 300
UEL	Alarm Configuration	956	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
UEL	Activation Delay	958	Float	4	R W	n/a	0.1	0 - 300
V/Hz Limit	Alarm Configuration	960	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
V/Hz Limit	Activation Delay	962	Float	4	R W	n/a	0.1	0 - 300
Security Center	Save Changes (Note: Any write to this register, regardless of value, causes a save to occur.)	964	UInt32	4	R W	n/a	1	0 - 4294967295
ECU Config	Isuzu Memory Clear Request	966	UInt32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	Isuzu Escape Mode Request	968	UInt32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	Active DTC Alarm Enable Data	970	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Reserved		972						
ECU Config	Regeneration Pre-Alarms	974	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	Soot Pre-Alarms	976	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
ECU Config	Engine Start Mode	978	UInt32	4	R W	n/a	n/a	Normal=0 Rapid=1
ECU Config	Volvo Acces Pedal Checksum Enable Data	980	UInt32	4	R W	n/a	n/a	Off=0 On=1
ECU Config	Engine Hours Source	982	UInt32	4	R W	n/a	n/a	DGC=0 ECU=1
ECU Config	Woodward Fuel Selection	984	UInt32	4	R W	n/a	n/a	Diesel Fuel=0 Natural Gas=1 Liquid Propane=2 NG/LP=3
ATS	Input Mode	986	UInt32	4	R W	n/a	n/a	Single=0 Complementary=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
ATS	Normally Closed Contact Input	988	Uint32	4	R W	n/a	n/a	None=0 Input 1=1 Input 2=2 Input 3=3 Input 4=4 Input 5=5 Input 6=6 Input 7=7 Input 8=8 Input 9=9 Input 10=10 Input 11=11 Input 12=12 Input 13=13 Input 14=14 Input 15=15 Input 16=16
ATS	Circuit Error Delay	990	Float	4	R W	Second	0.1	0.1 – 10
ATS	Circuit Error Action	992	Uint32	4	R W	n/a	n/a	None=0 Start=1
ECU Config	<i>mtu</i> CAN Bus Start Stop Configuration	994	Uint32	4	R W	n/a	n/a	Constant=0 On for Start/Stop=1 Disabled=2 Not Implemented=3
ECU Config	DEF Pre-Alarm Enable	996	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

3 • Binary Points Register Table

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Scale Factor Override	Alternate Frequency Override	1000	0	Uint16	2	R	False=0 True=1
Reserved		1000	1				
System Data	Logic 0	1000	2	Uint16	2	R	False=0 True=1
System Data	Logic 1	1000	3	Uint16	2	R	False=0 True=1
Alarms	Real-Time Clock Alarm	1000	4	Uint16	2	R	False=0 True=1
Alarms	Date/Time Set Alarm	1000	5	Uint16	2	R	False=0 True=1
Alarms	Firmware Change Alarm	1000	6	Uint16	2	R	False=0 True=1
Alarms	Frequency Out-of-Range Alarm	1000	7	Uint16	2	R	False=0 True=1
Alarms	Ethernet Link 1 Lost Alarm	1000	8	Uint16	2	R	False=0 True=1
Alarms	Ethernet Link 2 Lost Alarm	1000	9	Uint16	2	R	False=0 True=1
Alarms	USB COM Alarm	1000	10	Uint16	2	R	False=0 True=1
Alarms	IRIG Sync Lost Alarm	1000	11	Uint16	2	R	False=0 True=1
Alarms	Logic = None Alarm	1000	12	Uint16	2	R	False=0 True=1
Alarms	No User Setting Alarm	1000	13	Uint16	2	R	False=0 True=1
Alarms	NTP Sync Lost Alarm	1000	14	Uint16	2	R	False=0 True=1
Alarms	uP Reset Alarm	1000	15	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 1	1001	0	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 2	1001	1	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 3	1001	2	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 4	1001	3	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 5	1001	4	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 6	1001	5	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 7	1001	6	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 8	1001	7	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 9	1001	8	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 10	1001	9	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 11	1001	10	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 12	1001	11	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 13	1001	12	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 14	1001	13	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 15	1001	14	Uint16	2	R	False=0 True=1
Alarms	Programmable Alarm 16	1001	15	Uint16	2	R	False=0 True=1
Alarms	Unsupported Number of AEMs	1002	0	Uint16	2	R	False=0 True=1
Alarms	Unsupported Number of CEMs	1002	1	Uint16	2	R	False=0 True=1
Alarms	Logic Alarm	1002	2	Uint16	2	R	False=0 True=1
Alarms	Logic Pre-Alarm	1002	3	Uint16	2	R	False=0 True=1
Alarms	Global Sender Fail Alarm	1002	4	Uint16	2	R	False=0 True=1
Alarms	Clock Not Set Alarm	1002	5	Uint16	2	R	False=0 True=1
Alarms	Clock Battery Low Alarm	1002	6	Uint16	2	R	False=0 True=1
Alarm Report	Alarm Output (Global Alarm)	1002	7	Uint16	2	R	False=0 True=1
Pre-Alarm Report	Alarm Output (Global Pre-Alarm)	1002	8	Uint16	2	R	False=0 True=1
Contact Outputs	Output 1	1002	9	Uint16	2	R	False=0 True=1
Contact Outputs	Output 2	1002	10	Uint16	2	R	False=0 True=1
Contact Outputs	Output 3	1002	11	Uint16	2	R	False=0 True=1
Contact Outputs	Output 4	1002	12	Uint16	2	R	False=0 True=1
Contact Outputs	Output 5	1002	13	Uint16	2	R	False=0 True=1
Contact Outputs	Output 6	1002	14	Uint16	2	R	False=0 True=1
Contact Outputs	Output 7	1002	15	Uint16	2	R	False=0 True=1
Contact Outputs	Output 8	1003	0	Uint16	2	R	False=0 True=1
Contact Outputs	Output 9	1003	1	Uint16	2	R	False=0 True=1
Contact Outputs	Output 10	1003	2	Uint16	2	R	False=0 True=1
Contact Outputs	Output 11	1003	3	Uint16	2	R	False=0 True=1
Contact Outputs	Output 12	1003	4	Uint16	2	R	False=0 True=1
Contact Outputs	Preheat Prelube Relay	1003	5	Uint16	2	R	False=0 True=1
Contact Outputs	Fuel Solenoid Relay	1003	6	Uint16	2	R	False=0 True=1
Contact Outputs	Master Start Relay	1003	7	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 1	1003	8	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 2	1003	9	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 3	1003	10	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 4	1003	11	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 5	1003	12	Uint16	2	R	False=0 True=1
Virtual Switch	Virtual Switch 6	1003	13	Uint16	2	R	False=0 True=1
Buzzer	Alarm Silence Active	1003	14	Uint16	2	R	False=0 True=1
Gen Power Meter	PF Lagging	1003	15	Uint16	2	R	False=0 True=1
Bus 1 Power Meter	PF Lagging	1004	0	Uint16	2	R	False=0 True=1
Bus 2 Power Meter	PF Lagging	1004	1	Uint16	2	R	False=0 True=1
27P-1	Block	1004	2	Uint16	2	R	False=0 True=1
27P-1	Pickup	1004	3	Uint16	2	R	False=0 True=1
27P-1	Trip	1004	4	Uint16	2	R	False=0 True=1
27P-1	Pre-Alarm	1004	5	Uint16	2	R	False=0 True=1
27P-1	Alarm	1004	6	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
27P-2	Block	1004	7	Uint16	2	R	False=0 True=1
27P-2	Pickup	1004	8	Uint16	2	R	False=0 True=1
27P-2	Trip	1004	9	Uint16	2	R	False=0 True=1
27P-2	Pre-Alarm	1004	10	Uint16	2	R	False=0 True=1
27P-2	Alarm	1004	11	Uint16	2	R	False=0 True=1
27P-3	Block	1004	12	Uint16	2	R	False=0 True=1
27P-3	Pickup	1004	13	Uint16	2	R	False=0 True=1
27P-3	Trip	1004	14	Uint16	2	R	False=0 True=1
27P-3	Pre-Alarm	1004	15	Uint16	2	R	False=0 True=1
27P-3	Alarm	1005	0	Uint16	2	R	False=0 True=1
27P-4	Block	1005	1	Uint16	2	R	False=0 True=1
27P-4	Pickup	1005	2	Uint16	2	R	False=0 True=1
27P-4	Trip	1005	3	Uint16	2	R	False=0 True=1
27P-4	Pre-Alarm	1005	4	Uint16	2	R	False=0 True=1
27P-4	Alarm	1005	5	Uint16	2	R	False=0 True=1
27P-5	Block	1005	6	Uint16	2	R	False=0 True=1
27P-5	Pickup	1005	7	Uint16	2	R	False=0 True=1
27P-5	Trip	1005	8	Uint16	2	R	False=0 True=1
27P-5	Pre-Alarm	1005	9	Uint16	2	R	False=0 True=1
27P-5	Alarm	1005	10	Uint16	2	R	False=0 True=1
27P-6	Block	1005	11	Uint16	2	R	False=0 True=1
27P-6	Pickup	1005	12	Uint16	2	R	False=0 True=1
27P-6	Trip	1005	13	Uint16	2	R	False=0 True=1
27P-6	Pre-Alarm	1005	14	Uint16	2	R	False=0 True=1
27P-6	Alarm	1005	15	Uint16	2	R	False=0 True=1
59P-1	Block	1006	0	Uint16	2	R	False=0 True=1
59P-1	Pickup	1006	1	Uint16	2	R	False=0 True=1
59P-1	Trip	1006	2	Uint16	2	R	False=0 True=1
59P-1	Pre-Alarm	1006	3	Uint16	2	R	False=0 True=1
59P-1	Alarm	1006	4	Uint16	2	R	False=0 True=1
59P-2	Block	1006	5	Uint16	2	R	False=0 True=1
59P-2	Pickup	1006	6	Uint16	2	R	False=0 True=1
59P-2	Trip	1006	7	Uint16	2	R	False=0 True=1
59P-2	Pre-Alarm	1006	8	Uint16	2	R	False=0 True=1
59P-2	Alarm	1006	9	Uint16	2	R	False=0 True=1
59P-3	Block	1006	10	Uint16	2	R	False=0 True=1
59P-3	Pickup	1006	11	Uint16	2	R	False=0 True=1
59P-3	Trip	1006	12	Uint16	2	R	False=0 True=1
59P-3	Pre-Alarm	1006	13	Uint16	2	R	False=0 True=1
59P-3	Alarm	1006	14	Uint16	2	R	False=0 True=1
59P-4	Block	1006	15	Uint16	2	R	False=0 True=1
59P-4	Pickup	1007	0	Uint16	2	R	False=0 True=1
59P-4	Trip	1007	1	Uint16	2	R	False=0 True=1
59P-4	Pre-Alarm	1007	2	Uint16	2	R	False=0 True=1
59P-4	Alarm	1007	3	Uint16	2	R	False=0 True=1
59P-5	Block	1007	4	Uint16	2	R	False=0 True=1
59P-5	Pickup	1007	5	Uint16	2	R	False=0 True=1
59P-5	Trip	1007	6	Uint16	2	R	False=0 True=1
59P-5	Pre-Alarm	1007	7	Uint16	2	R	False=0 True=1
59P-5	Alarm	1007	8	Uint16	2	R	False=0 True=1
59P-6	Block	1007	9	Uint16	2	R	False=0 True=1
59P-6	Pickup	1007	10	Uint16	2	R	False=0 True=1
59P-6	Trip	1007	11	Uint16	2	R	False=0 True=1
59P-6	Pre-Alarm	1007	12	Uint16	2	R	False=0 True=1
59P-6	Alarm	1007	13	Uint16	2	R	False=0 True=1
47-1	Block	1007	14	Uint16	2	R	False=0 True=1
47-1	Pickup	1007	15	Uint16	2	R	False=0 True=1
47-1	Trip	1008	0	Uint16	2	R	False=0 True=1
47-1	Pre-Alarm	1008	1	Uint16	2	R	False=0 True=1
47-1	Alarm	1008	2	Uint16	2	R	False=0 True=1
47-2	Block	1008	3	Uint16	2	R	False=0 True=1
47-2	Pickup	1008	4	Uint16	2	R	False=0 True=1
47-2	Trip	1008	5	Uint16	2	R	False=0 True=1
47-2	Pre-Alarm	1008	6	Uint16	2	R	False=0 True=1
47-2	Alarm	1008	7	Uint16	2	R	False=0 True=1
47-3	Block	1008	8	Uint16	2	R	False=0 True=1
47-3	Pickup	1008	9	Uint16	2	R	False=0 True=1
47-3	Trip	1008	10	Uint16	2	R	False=0 True=1
47-3	Pre-Alarm	1008	11	Uint16	2	R	False=0 True=1
47-3	Alarm	1008	12	Uint16	2	R	False=0 True=1
47-4	Block	1008	13	Uint16	2	R	False=0 True=1
47-4	Pickup	1008	14	Uint16	2	R	False=0 True=1
47-4	Trip	1008	15	Uint16	2	R	False=0 True=1
47-4	Pre-Alarm	1009	0	Uint16	2	R	False=0 True=1
47-4	Alarm	1009	1	Uint16	2	R	False=0 True=1
47-5	Block	1009	2	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
47-5	Pickup	1009	3	Uint16	2	R	False=0 True=1
47-5	Trip	1009	4	Uint16	2	R	False=0 True=1
47-5	Pre-Alarm	1009	5	Uint16	2	R	False=0 True=1
47-5	Alarm	1009	6	Uint16	2	R	False=0 True=1
47-6	Block	1009	7	Uint16	2	R	False=0 True=1
47-6	Pickup	1009	8	Uint16	2	R	False=0 True=1
47-6	Trip	1009	9	Uint16	2	R	False=0 True=1
47-6	Pre-Alarm	1009	10	Uint16	2	R	False=0 True=1
47-6	Alarm	1009	11	Uint16	2	R	False=0 True=1
81-1	Block	1009	12	Uint16	2	R	False=0 True=1
81-1	Pickup	1009	13	Uint16	2	R	False=0 True=1
81-1	Trip	1009	14	Uint16	2	R	False=0 True=1
81-1	Pre-Alarm	1009	15	Uint16	2	R	False=0 True=1
81-1	Alarm	1010	0	Uint16	2	R	False=0 True=1
81-2	Block	1010	1	Uint16	2	R	False=0 True=1
81-2	Pickup	1010	2	Uint16	2	R	False=0 True=1
81-2	Trip	1010	3	Uint16	2	R	False=0 True=1
81-2	Pre-Alarm	1010	4	Uint16	2	R	False=0 True=1
81-2	Alarm	1010	5	Uint16	2	R	False=0 True=1
81-3	Block	1010	6	Uint16	2	R	False=0 True=1
81-3	Pickup	1010	7	Uint16	2	R	False=0 True=1
81-3	Trip	1010	8	Uint16	2	R	False=0 True=1
81-3	Pre-Alarm	1010	9	Uint16	2	R	False=0 True=1
81-3	Alarm	1010	10	Uint16	2	R	False=0 True=1
81-4	Block	1010	11	Uint16	2	R	False=0 True=1
81-4	Pickup	1010	12	Uint16	2	R	False=0 True=1
81-4	Trip	1010	13	Uint16	2	R	False=0 True=1
81-4	Pre-Alarm	1010	14	Uint16	2	R	False=0 True=1
81-4	Alarm	1010	15	Uint16	2	R	False=0 True=1
81-5	Block	1011	0	Uint16	2	R	False=0 True=1
81-5	Pickup	1011	1	Uint16	2	R	False=0 True=1
81-5	Trip	1011	2	Uint16	2	R	False=0 True=1
81-5	Pre-Alarm	1011	3	Uint16	2	R	False=0 True=1
81-5	Alarm	1011	4	Uint16	2	R	False=0 True=1
81-6	Block	1011	5	Uint16	2	R	False=0 True=1
81-6	Pickup	1011	6	Uint16	2	R	False=0 True=1
81-6	Trip	1011	7	Uint16	2	R	False=0 True=1
81-6	Pre-Alarm	1011	8	Uint16	2	R	False=0 True=1
81-6	Alarm	1011	9	Uint16	2	R	False=0 True=1
81-7	Block	1011	10	Uint16	2	R	False=0 True=1
81-7	Pickup	1011	11	Uint16	2	R	False=0 True=1
81-7	Trip	1011	12	Uint16	2	R	False=0 True=1
81-7	Pre-Alarm	1011	13	Uint16	2	R	False=0 True=1
81-7	Alarm	1011	14	Uint16	2	R	False=0 True=1
81-8	Block	1011	15	Uint16	2	R	False=0 True=1
81-8	Pickup	1012	0	Uint16	2	R	False=0 True=1
81-8	Trip	1012	1	Uint16	2	R	False=0 True=1
81-8	Pre-Alarm	1012	2	Uint16	2	R	False=0 True=1
81-8	Alarm	1012	3	Uint16	2	R	False=0 True=1
40Q-1	Block	1012	4	Uint16	2	R	False=0 True=1
40Q-1	Pickup	1012	5	Uint16	2	R	False=0 True=1
40Q-1	Trip	1012	6	Uint16	2	R	False=0 True=1
40Q-1	Pre-Alarm	1012	7	Uint16	2	R	False=0 True=1
40Q-1	Alarm	1012	8	Uint16	2	R	False=0 True=1
40Q-2	Block	1012	9	Uint16	2	R	False=0 True=1
40Q-2	Pickup	1012	10	Uint16	2	R	False=0 True=1
40Q-2	Trip	1012	11	Uint16	2	R	False=0 True=1
40Q-2	Pre-Alarm	1012	12	Uint16	2	R	False=0 True=1
40Q-2	Alarm	1012	13	Uint16	2	R	False=0 True=1
32-1	Block	1012	14	Uint16	2	R	False=0 True=1
32-1	Pickup	1012	15	Uint16	2	R	False=0 True=1
32-1	Trip	1013	0	Uint16	2	R	False=0 True=1
32-1	Pre-Alarm	1013	1	Uint16	2	R	False=0 True=1
32-1	Alarm	1013	2	Uint16	2	R	False=0 True=1
32-2	Block	1013	3	Uint16	2	R	False=0 True=1
32-2	Pickup	1013	4	Uint16	2	R	False=0 True=1
32-2	Trip	1013	5	Uint16	2	R	False=0 True=1
32-2	Pre-Alarm	1013	6	Uint16	2	R	False=0 True=1
32-2	Alarm	1013	7	Uint16	2	R	False=0 True=1
32-3	Block	1013	8	Uint16	2	R	False=0 True=1
32-3	Pickup	1013	9	Uint16	2	R	False=0 True=1
32-3	Trip	1013	10	Uint16	2	R	False=0 True=1
32-3	Pre-Alarm	1013	11	Uint16	2	R	False=0 True=1
32-3	Alarm	1013	12	Uint16	2	R	False=0 True=1
32-4	Block	1013	13	Uint16	2	R	False=0 True=1
32-4	Pickup	1013	14	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
32-4	Trip	1013	15	Uint16	2	R	False=0 True=1
32-4	Pre-Alarm	1014	0	Uint16	2	R	False=0 True=1
32-4	Alarm	1014	1	Uint16	2	R	False=0 True=1
32-5	Block	1014	2	Uint16	2	R	False=0 True=1
32-5	Pickup	1014	3	Uint16	2	R	False=0 True=1
32-5	Trip	1014	4	Uint16	2	R	False=0 True=1
32-5	Pre-Alarm	1014	5	Uint16	2	R	False=0 True=1
32-5	Alarm	1014	6	Uint16	2	R	False=0 True=1
32-6	Block	1014	7	Uint16	2	R	False=0 True=1
32-6	Pickup	1014	8	Uint16	2	R	False=0 True=1
32-6	Trip	1014	9	Uint16	2	R	False=0 True=1
32-6	Pre-Alarm	1014	10	Uint16	2	R	False=0 True=1
32-6	Alarm	1014	11	Uint16	2	R	False=0 True=1
51-1	Block	1014	12	Uint16	2	R	False=0 True=1
51-1	Pickup	1014	13	Uint16	2	R	False=0 True=1
51-1	Trip	1014	14	Uint16	2	R	False=0 True=1
51-1	Pre-Alarm	1014	15	Uint16	2	R	False=0 True=1
51-1	Alarm	1015	0	Uint16	2	R	False=0 True=1
51-2	Block	1015	1	Uint16	2	R	False=0 True=1
51-2	Pickup	1015	2	Uint16	2	R	False=0 True=1
51-2	Trip	1015	3	Uint16	2	R	False=0 True=1
51-2	Pre-Alarm	1015	4	Uint16	2	R	False=0 True=1
51-2	Alarm	1015	5	Uint16	2	R	False=0 True=1
51-3	Block	1015	6	Uint16	2	R	False=0 True=1
51-3	Pickup	1015	7	Uint16	2	R	False=0 True=1
51-3	Trip	1015	8	Uint16	2	R	False=0 True=1
51-3	Pre-Alarm	1015	9	Uint16	2	R	False=0 True=1
51-3	Alarm	1015	10	Uint16	2	R	False=0 True=1
51-4	Block	1015	11	Uint16	2	R	False=0 True=1
51-4	Pickup	1015	12	Uint16	2	R	False=0 True=1
51-4	Trip	1015	13	Uint16	2	R	False=0 True=1
51-4	Pre-Alarm	1015	14	Uint16	2	R	False=0 True=1
51-4	Alarm	1015	15	Uint16	2	R	False=0 True=1
51-5	Block	1016	0	Uint16	2	R	False=0 True=1
51-5	Pickup	1016	1	Uint16	2	R	False=0 True=1
51-5	Trip	1016	2	Uint16	2	R	False=0 True=1
51-5	Pre-Alarm	1016	3	Uint16	2	R	False=0 True=1
51-5	Alarm	1016	4	Uint16	2	R	False=0 True=1
51-6	Block	1016	5	Uint16	2	R	False=0 True=1
51-6	Pickup	1016	6	Uint16	2	R	False=0 True=1
51-6	Trip	1016	7	Uint16	2	R	False=0 True=1
51-6	Pre-Alarm	1016	8	Uint16	2	R	False=0 True=1
51-6	Alarm	1016	9	Uint16	2	R	False=0 True=1
78-1	Block	1016	10	Uint16	2	R	False=0 True=1
78-1	Pickup	1016	11	Uint16	2	R	False=0 True=1
78-1	Trip	1016	12	Uint16	2	R	False=0 True=1
78-1	Pre-Alarm	1016	13	Uint16	2	R	False=0 True=1
78-1	Alarm	1016	14	Uint16	2	R	False=0 True=1
78-2	Block	1016	15	Uint16	2	R	False=0 True=1
78-2	Pickup	1017	0	Uint16	2	R	False=0 True=1
78-2	Trip	1017	1	Uint16	2	R	False=0 True=1
78-2	Pre-Alarm	1017	2	Uint16	2	R	False=0 True=1
78-2	Alarm	1017	3	Uint16	2	R	False=0 True=1
Battery Voltage Protection	Weak Battery Pre-Alarm	1017	4	Uint16	2	R	False=0 True=1
Battery Voltage Protection	Low Battery Voltage Pre-Alarm	1017	5	Uint16	2	R	False=0 True=1
Battery Voltage Protection	Battery Over Voltage Pre-Alarm	1017	6	Uint16	2	R	False=0 True=1
Oil Pressure Protection	Low Oil Pressure Alarm	1017	7	Uint16	2	R	False=0 True=1
Oil Pressure Protection	Low Oil Pressure Pre-Alarm	1017	8	Uint16	2	R	False=0 True=1
Coolant Temperature Protection	High Coolant Temp Alarm	1017	9	Uint16	2	R	False=0 True=1
Coolant Temperature Protection	High Coolant Temp Pre-Alarm	1017	10	Uint16	2	R	False=0 True=1
Coolant Temperature Protection	Low Coolant Temp Pre-Alarm	1017	11	Uint16	2	R	False=0 True=1
Fuel Level Protection	Low Fuel Alarm	1017	12	Uint16	2	R	False=0 True=1
Fuel Level Protection	Low Fuel Pre-Alarm	1017	13	Uint16	2	R	False=0 True=1
Fuel Level Protection	High Fuel Pre-Alarm	1017	14	Uint16	2	R	False=0 True=1
Over Speed Protection	Over Speed Alarm	1017	15	Uint16	2	R	False=0 True=1
Coolant Level Protection	Low Coolant Level Alarm (Protection in this register is active only when coolant level is received from CAN Bus.)	1018	0	Uint16	2	R	False=0 True=1
Coolant Level Protection	Low Coolant Level Pre-Alarm (Protection in this register is active only when coolant level is received from CAN Bus.)	1018	1	Uint16	2	R	False=0 True=1
Coolant Level Protection	Coolant Level Sender Fail Alarm (Protection in this register is active only when coolant level is received from CAN Bus.)	1018	2	Uint16	2	R	False=0 True=1
Engine Source	Speed Sender Fail Alarm	1018	3	Uint16	2	R	False=0 True=1
Engine Source	Unexpected Shutdown Alarm	1018	4	Uint16	2	R	False=0 True=1

DGC-2020HD Modbus® Protocol Binary Points Register Table

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Configurable Protection 7	Configurable Protection Threshold 2 Trip	1023	1	UInt16	2	R	False=0 True=1
Configurable Protection 7	Configurable Protection Threshold 2 Pre-Alarm	1023	2	UInt16	2	R	False=0 True=1
Configurable Protection 7	Configurable Protection Threshold 2 Alarm	1023	3	UInt16	2	R	False=0 True=1
Configurable Protection 7	Configurable Protection Threshold 3 Trip	1023	4	UInt16	2	R	False=0 True=1
Configurable Protection 7	Configurable Protection Threshold 3 Pre-Alarm	1023	5	UInt16	2	R	False=0 True=1
Configurable Protection 7	Configurable Protection Threshold 3 Alarm	1023	6	UInt16	2	R	False=0 True=1
Configurable Protection 7	Configurable Protection Threshold 4 Trip	1023	7	UInt16	2	R	False=0 True=1
Configurable Protection 7	Configurable Protection Threshold 4 Pre-Alarm	1023	8	UInt16	2	R	False=0 True=1
Configurable Protection 7	Configurable Protection Threshold 4 Alarm	1023	9	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 1 Trip	1023	10	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 1 Pre-Alarm	1023	11	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 1 Alarm	1023	12	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 2 Trip	1023	13	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 2 Pre-Alarm	1023	14	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 2 Alarm	1023	15	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 3 Trip	1024	0	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 3 Pre-Alarm	1024	1	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 3 Alarm	1024	2	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 4 Trip	1024	3	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 4 Pre-Alarm	1024	4	UInt16	2	R	False=0 True=1
Configurable Protection 8	Configurable Protection Threshold 4 Alarm	1024	5	UInt16	2	R	False=0 True=1
AEM 1	Connected	1024	6	UInt16	2	R	False=0 True=1
AEM 1	Comms Failure	1024	7	UInt16	2	R	False=0 True=1
AEM 1	Duplicate AEM	1024	8	UInt16	2	R	False=0 True=1
AEM 1	Input 1 Out-of-Range	1024	9	UInt16	2	R	False=0 True=1
AEM 1	Input 1 Out-of-Range Pre-Alarm	1024	10	UInt16	2	R	False=0 True=1
AEM 1	Input 1 Out-of-Range Alarm	1024	11	UInt16	2	R	False=0 True=1
AEM 1	Input 2 Out-of-Range	1024	12	UInt16	2	R	False=0 True=1
AEM 1	Input 2 Out-of-Range Pre-Alarm	1024	13	UInt16	2	R	False=0 True=1
AEM 1	Input 2 Out-of-Range Alarm	1024	14	UInt16	2	R	False=0 True=1
AEM 1	Input 3 Out-of-Range	1024	15	UInt16	2	R	False=0 True=1
AEM 1	Input 3 Out-of-Range Pre-Alarm	1025	0	UInt16	2	R	False=0 True=1
AEM 1	Input 3 Out-of-Range Alarm	1025	1	UInt16	2	R	False=0 True=1
AEM 1	Input 4 Out-of-Range	1025	2	UInt16	2	R	False=0 True=1
AEM 1	Input 4 Out-of-Range Pre-Alarm	1025	3	UInt16	2	R	False=0 True=1
AEM 1	Input 4 Out-of-Range Alarm	1025	4	UInt16	2	R	False=0 True=1
AEM 1	Input 5 Out-of-Range	1025	5	UInt16	2	R	False=0 True=1
AEM 1	Input 5 Out-of-Range Pre-Alarm	1025	6	UInt16	2	R	False=0 True=1
AEM 1	Input 5 Out-of-Range Alarm	1025	7	UInt16	2	R	False=0 True=1
AEM 1	Input 6 Out-of-Range	1025	8	UInt16	2	R	False=0 True=1
AEM 1	Input 6 Out-of-Range Pre-Alarm	1025	9	UInt16	2	R	False=0 True=1
AEM 1	Input 6 Out-of-Range Alarm	1025	10	UInt16	2	R	False=0 True=1
AEM 1	Input 7 Out-of-Range	1025	11	UInt16	2	R	False=0 True=1
AEM 1	Input 7 Out-of-Range Pre-Alarm	1025	12	UInt16	2	R	False=0 True=1
AEM 1	Input 7 Out-of-Range Alarm	1025	13	UInt16	2	R	False=0 True=1
AEM 1	Input 8 Out-of-Range	1025	14	UInt16	2	R	False=0 True=1
AEM 1	Input 8 Out-of-Range Pre-Alarm	1025	15	UInt16	2	R	False=0 True=1
AEM 1	Input 8 Out-of-Range Alarm	1026	0	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 1 Out-of-Range	1026	1	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 1 Out-of-Range Pre-Alarm	1026	2	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 1 Out-of-Range Alarm	1026	3	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 2 Out-of-Range	1026	4	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 2 Out-of-Range Pre-Alarm	1026	5	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 2 Out-of-Range Alarm	1026	6	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 3 Out-of-Range	1026	7	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 3 Out-of-Range Pre-Alarm	1026	8	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 3 Out-of-Range Alarm	1026	9	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 4 Out-of-Range	1026	10	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 4 Out-of-Range Pre-Alarm	1026	11	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 4 Out-of-Range Alarm	1026	12	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 5 Out-of-Range	1026	13	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 5 Out-of-Range Pre-Alarm	1026	14	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 5 Out-of-Range Alarm	1026	15	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 6 Out-of-Range	1027	0	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 6 Out-of-Range Pre-Alarm	1027	1	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 6 Out-of-Range Alarm	1027	2	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 7 Out-of-Range	1027	3	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 7 Out-of-Range Pre-Alarm	1027	4	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 7 Out-of-Range Alarm	1027	5	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 8 Out-of-Range	1027	6	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 8 Out-of-Range Pre-Alarm	1027	7	UInt16	2	R	False=0 True=1
AEM 1	RTD Input 8 Out-of-Range Alarm	1027	8	UInt16	2	R	False=0 True=1
AEM 1	Thermalcouple 1 Out-of-Range	1027	9	UInt16	2	R	False=0 True=1
AEM 1	Thermalcouple 1 Out-of-Range Pre-Alarm	1027	10	UInt16	2	R	False=0 True=1
AEM 1	Thermalcouple 1 Out-of-Range Alarm	1027	11	UInt16	2	R	False=0 True=1
AEM 1	Thermalcouple 2 Out-of-Range	1027	12	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 1	Thermalcouple 2 Out-of-Range Pre-Alarm	1027	13	Uint16	2	R	False=0 True=1
AEM 1	Thermalcouple 2 Out-of-Range Alarm	1027	14	Uint16	2	R	False=0 True=1
AEM 1	Output 1 Out-of-Range	1027	15	Uint16	2	R	False=0 True=1
AEM 1	Output 1 Out-of-Range Pre-Alarm	1028	0	Uint16	2	R	False=0 True=1
AEM 1	Output 1 Out-of-Range Alarm	1028	1	Uint16	2	R	False=0 True=1
AEM 1	Output 2 Out-of-Range	1028	2	Uint16	2	R	False=0 True=1
AEM 1	Output 2 Out-of-Range Pre-Alarm	1028	3	Uint16	2	R	False=0 True=1
AEM 1	Output 2 Out-of-Range Alarm	1028	4	Uint16	2	R	False=0 True=1
AEM 1	Output 3 Out-of-Range	1028	5	Uint16	2	R	False=0 True=1
AEM 1	Output 3 Out-of-Range Pre-Alarm	1028	6	Uint16	2	R	False=0 True=1
AEM 1	Output 3 Out-of-Range Alarm	1028	7	Uint16	2	R	False=0 True=1
AEM 1	Output 4 Out-of-Range	1028	8	Uint16	2	R	False=0 True=1
AEM 1	Output 4 Out-of-Range Pre-Alarm	1028	9	Uint16	2	R	False=0 True=1
AEM 1	Output 4 Out-of-Range Alarm	1028	10	Uint16	2	R	False=0 True=1
AEM 1	Not Configured	1028	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 1 Trip	1028	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 1 Pre-Alarm	1028	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 1 Alarm	1028	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 2 Trip	1028	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 2 Pre-Alarm	1029	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 2 Alarm	1029	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 3 Trip	1029	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 3 Pre-Alarm	1029	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 3 Alarm	1029	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 4 Trip	1029	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 4 Pre-Alarm	1029	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 1	Threshold 4 Alarm	1029	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 1 Trip	1029	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 1 Pre-Alarm	1029	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 1 Alarm	1029	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 2 Trip	1029	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 2 Pre-Alarm	1029	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 2 Alarm	1029	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 3 Trip	1029	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 3 Pre-Alarm	1029	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 3 Alarm	1030	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 4 Trip	1030	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 4 Pre-Alarm	1030	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 2	Threshold 4 Alarm	1030	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 1 Trip	1030	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 1 Pre-Alarm	1030	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 1 Alarm	1030	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 2 Trip	1030	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 2 Pre-Alarm	1030	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 2 Alarm	1030	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 3 Trip	1030	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 3 Pre-Alarm	1030	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 3 Alarm	1030	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 4 Trip	1030	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 4 Pre-Alarm	1030	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 3	Threshold 4 Alarm	1030	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 1 Trip	1031	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 1 Pre-Alarm	1031	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 1 Alarm	1031	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 2 Trip	1031	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 2 Pre-Alarm	1031	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 2 Alarm	1031	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 3 Trip	1031	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 3 Pre-Alarm	1031	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 3 Alarm	1031	8	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 4 Trip	1031	9	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 4 Pre-Alarm	1031	10	Uint16	2	R	False=0 True=1
AEM 1 Protection 4	Threshold 4 Alarm	1031	11	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 1 Trip	1031	12	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 1 Pre-Alarm	1031	13	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 1 Alarm	1031	14	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 2 Trip	1031	15	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 2 Pre-Alarm	1032	0	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 2 Alarm	1032	1	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 3 Trip	1032	2	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 3 Pre-Alarm	1032	3	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 3 Alarm	1032	4	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 4 Trip	1032	5	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 4 Pre-Alarm	1032	6	Uint16	2	R	False=0 True=1
AEM 1 Protection 5	Threshold 4 Alarm	1032	7	Uint16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 1 Trip	1032	8	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 1 Protection 6	Threshold 1 Pre-Alarm	1032	9	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 1 Alarm	1032	10	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 2 Trip	1032	11	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 2 Pre-Alarm	1032	12	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 2 Alarm	1032	13	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 3 Trip	1032	14	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 3 Pre-Alarm	1032	15	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 3 Alarm	1033	0	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 4 Trip	1033	1	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 4 Pre-Alarm	1033	2	UInt16	2	R	False=0 True=1
AEM 1 Protection 6	Threshold 4 Alarm	1033	3	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 1 Trip	1033	4	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 1 Pre-Alarm	1033	5	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 1 Alarm	1033	6	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 2 Trip	1033	7	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 2 Pre-Alarm	1033	8	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 2 Alarm	1033	9	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 3 Trip	1033	10	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 3 Pre-Alarm	1033	11	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 3 Alarm	1033	12	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 4 Trip	1033	13	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 4 Pre-Alarm	1033	14	UInt16	2	R	False=0 True=1
AEM 1 Protection 7	Threshold 4 Alarm	1033	15	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 1 Trip	1034	0	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 1 Pre-Alarm	1034	1	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 1 Alarm	1034	2	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 2 Trip	1034	3	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 2 Pre-Alarm	1034	4	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 2 Alarm	1034	5	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 3 Trip	1034	6	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 3 Pre-Alarm	1034	7	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 3 Alarm	1034	8	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 4 Trip	1034	9	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 4 Pre-Alarm	1034	10	UInt16	2	R	False=0 True=1
AEM 1 Protection 8	Threshold 4 Alarm	1034	11	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 1 Trip	1034	12	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 1 Pre-Alarm	1034	13	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 1 Alarm	1034	14	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 2 Trip	1034	15	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 2 Pre-Alarm	1035	0	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 2 Alarm	1035	1	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 3 Trip	1035	2	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 3 Pre-Alarm	1035	3	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 3 Alarm	1035	4	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 4 Trip	1035	5	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 4 Pre-Alarm	1035	6	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 1	Threshold 4 Alarm	1035	7	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 1 Trip	1035	8	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 1 Pre-Alarm	1035	9	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 1 Alarm	1035	10	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 2 Trip	1035	11	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 2 Pre-Alarm	1035	12	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 2 Alarm	1035	13	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 3 Trip	1035	14	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 3 Pre-Alarm	1035	15	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 3 Alarm	1036	0	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 4 Trip	1036	1	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 4 Pre-Alarm	1036	2	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 2	Threshold 4 Alarm	1036	3	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 1 Trip	1036	4	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 1 Pre-Alarm	1036	5	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 1 Alarm	1036	6	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 2 Trip	1036	7	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 2 Pre-Alarm	1036	8	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 2 Alarm	1036	9	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 3 Trip	1036	10	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 3 Pre-Alarm	1036	11	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 3 Alarm	1036	12	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 4 Trip	1036	13	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 4 Pre-Alarm	1036	14	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 3	Threshold 4 Alarm	1036	15	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 4	Threshold 1 Trip	1037	0	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 4	Threshold 1 Pre-Alarm	1037	1	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 4	Threshold 1 Alarm	1037	2	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 4	Threshold 2 Trip	1037	3	UInt16	2	R	False=0 True=1
AEM 1 RTD Protection 4	Threshold 2 Pre-Alarm	1037	4	UInt16	2	R	False=0 True=1

DGC-2020HD Modbus® Protocol Binary Points Register Table

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 1 Thermal Protection 2	Threshold 4 Trip	1042	1	UInt16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 4 Pre-Alarm	1042	2	UInt16	2	R	False=0 True=1
AEM 1 Thermal Protection 2	Threshold 4 Alarm	1042	3	UInt16	2	R	False=0 True=1
AEM 2	Connected	1042	4	UInt16	2	R	False=0 True=1
AEM 2	Comms Failure	1042	5	UInt16	2	R	False=0 True=1
AEM 2	Duplicate AEM	1042	6	UInt16	2	R	False=0 True=1
AEM 2	Input 1 Out-of-Range	1042	7	UInt16	2	R	False=0 True=1
AEM 2	Input 1 Out-of-Range Pre-Alarm	1042	8	UInt16	2	R	False=0 True=1
AEM 2	Input 1 Out-of-Range Alarm	1042	9	UInt16	2	R	False=0 True=1
AEM 2	Input 2 Out-of-Range	1042	10	UInt16	2	R	False=0 True=1
AEM 2	Input 2 Out-of-Range Pre-Alarm	1042	11	UInt16	2	R	False=0 True=1
AEM 2	Input 2 Out-of-Range Alarm	1042	12	UInt16	2	R	False=0 True=1
AEM 2	Input 3 Out-of-Range	1042	13	UInt16	2	R	False=0 True=1
AEM 2	Input 3 Out-of-Range Pre-Alarm	1042	14	UInt16	2	R	False=0 True=1
AEM 2	Input 3 Out-of-Range Alarm	1042	15	UInt16	2	R	False=0 True=1
AEM 2	Input 4 Out-of-Range	1043	0	UInt16	2	R	False=0 True=1
AEM 2	Input 4 Out-of-Range Pre-Alarm	1043	1	UInt16	2	R	False=0 True=1
AEM 2	Input 4 Out-of-Range Alarm	1043	2	UInt16	2	R	False=0 True=1
AEM 2	Input 5 Out-of-Range	1043	3	UInt16	2	R	False=0 True=1
AEM 2	Input 5 Out-of-Range Pre-Alarm	1043	4	UInt16	2	R	False=0 True=1
AEM 2	Input 5 Out-of-Range Alarm	1043	5	UInt16	2	R	False=0 True=1
AEM 2	Input 6 Out-of-Range	1043	6	UInt16	2	R	False=0 True=1
AEM 2	Input 6 Out-of-Range Pre-Alarm	1043	7	UInt16	2	R	False=0 True=1
AEM 2	Input 6 Out-of-Range Alarm	1043	8	UInt16	2	R	False=0 True=1
AEM 2	Input 7 Out-of-Range	1043	9	UInt16	2	R	False=0 True=1
AEM 2	Input 7 Out-of-Range Pre-Alarm	1043	10	UInt16	2	R	False=0 True=1
AEM 2	Input 7 Out-of-Range Alarm	1043	11	UInt16	2	R	False=0 True=1
AEM 2	Input 8 Out-of-Range	1043	12	UInt16	2	R	False=0 True=1
AEM 2	Input 8 Out-of-Range Pre-Alarm	1043	13	UInt16	2	R	False=0 True=1
AEM 2	Input 8 Out-of-Range Alarm	1043	14	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 1 Out-of-Range	1043	15	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 1 Out-of-Range Pre-Alarm	1044	0	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 1 Out-of-Range Alarm	1044	1	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 2 Out-of-Range	1044	2	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 2 Out-of-Range Pre-Alarm	1044	3	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 2 Out-of-Range Alarm	1044	4	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 3 Out-of-Range	1044	5	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 3 Out-of-Range Pre-Alarm	1044	6	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 3 Out-of-Range Alarm	1044	7	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 4 Out-of-Range	1044	8	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 4 Out-of-Range Pre-Alarm	1044	9	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 4 Out-of-Range Alarm	1044	10	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 5 Out-of-Range	1044	11	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 5 Out-of-Range Pre-Alarm	1044	12	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 5 Out-of-Range Alarm	1044	13	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 6 Out-of-Range	1044	14	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 6 Out-of-Range Pre-Alarm	1044	15	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 6 Out-of-Range Alarm	1045	0	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 7 Out-of-Range	1045	1	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 7 Out-of-Range Pre-Alarm	1045	2	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 7 Out-of-Range Alarm	1045	3	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 8 Out-of-Range	1045	4	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 8 Out-of-Range Pre-Alarm	1045	5	UInt16	2	R	False=0 True=1
AEM 2	RTD Input 8 Out-of-Range Alarm	1045	6	UInt16	2	R	False=0 True=1
AEM 2	Thermocouple 1 Out-of-Range	1045	7	UInt16	2	R	False=0 True=1
AEM 2	Thermocouple 1 Out-of-Range Pre-Alarm	1045	8	UInt16	2	R	False=0 True=1
AEM 2	Thermocouple 1 Out-of-Range Alarm	1045	9	UInt16	2	R	False=0 True=1
AEM 2	Thermocouple 2 Out-of-Range	1045	10	UInt16	2	R	False=0 True=1
AEM 2	Thermocouple 2 Out-of-Range Pre-Alarm	1045	11	UInt16	2	R	False=0 True=1
AEM 2	Thermocouple 2 Out-of-Range Alarm	1045	12	UInt16	2	R	False=0 True=1
AEM 2	Output 1 Out-of-Range	1045	13	UInt16	2	R	False=0 True=1
AEM 2	Output 1 Out-of-Range Pre-Alarm	1045	14	UInt16	2	R	False=0 True=1
AEM 2	Output 1 Out-of-Range Alarm	1045	15	UInt16	2	R	False=0 True=1
AEM 2	Output 2 Out-of-Range	1046	0	UInt16	2	R	False=0 True=1
AEM 2	Output 2 Out-of-Range Pre-Alarm	1046	1	UInt16	2	R	False=0 True=1
AEM 2	Output 2 Out-of-Range Alarm	1046	2	UInt16	2	R	False=0 True=1
AEM 2	Output 3 Out-of-Range	1046	3	UInt16	2	R	False=0 True=1
AEM 2	Output 3 Out-of-Range Pre-Alarm	1046	4	UInt16	2	R	False=0 True=1
AEM 2	Output 3 Out-of-Range Alarm	1046	5	UInt16	2	R	False=0 True=1
AEM 2	Output 4 Out-of-Range	1046	6	UInt16	2	R	False=0 True=1
AEM 2	Output 4 Out-of-Range Pre-Alarm	1046	7	UInt16	2	R	False=0 True=1
AEM 2	Output 4 Out-of-Range Alarm	1046	8	UInt16	2	R	False=0 True=1
AEM 2	Not Configured	1046	9	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 1 Trip	1046	10	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 1 Pre-Alarm	1046	11	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 1 Alarm	1046	12	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 2 Protection 1	Threshold 2 Trip	1046	13	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 2 Pre-Alarm	1046	14	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 2 Alarm	1046	15	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 3 Trip	1047	0	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 3 Pre-Alarm	1047	1	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 3 Alarm	1047	2	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 4 Trip	1047	3	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 4 Pre-Alarm	1047	4	UInt16	2	R	False=0 True=1
AEM 2 Protection 1	Threshold 4 Alarm	1047	5	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 1 Trip	1047	6	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 1 Pre-Alarm	1047	7	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 1 Alarm	1047	8	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 2 Trip	1047	9	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 2 Pre-Alarm	1047	10	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 2 Alarm	1047	11	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 3 Trip	1047	12	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 3 Pre-Alarm	1047	13	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 3 Alarm	1047	14	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 4 Trip	1047	15	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 4 Pre-Alarm	1048	0	UInt16	2	R	False=0 True=1
AEM 2 Protection 2	Threshold 4 Alarm	1048	1	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 1 Trip	1048	2	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 1 Pre-Alarm	1048	3	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 1 Alarm	1048	4	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 2 Trip	1048	5	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 2 Pre-Alarm	1048	6	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 2 Alarm	1048	7	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 3 Trip	1048	8	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 3 Pre-Alarm	1048	9	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 3 Alarm	1048	10	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 4 Trip	1048	11	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 4 Pre-Alarm	1048	12	UInt16	2	R	False=0 True=1
AEM 2 Protection 3	Threshold 4 Alarm	1048	13	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 1 Trip	1048	14	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 1 Pre-Alarm	1048	15	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 1 Alarm	1049	0	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 2 Trip	1049	1	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 2 Pre-Alarm	1049	2	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 2 Alarm	1049	3	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 3 Trip	1049	4	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 3 Pre-Alarm	1049	5	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 3 Alarm	1049	6	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 4 Trip	1049	7	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 4 Pre-Alarm	1049	8	UInt16	2	R	False=0 True=1
AEM 2 Protection 4	Threshold 4 Alarm	1049	9	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 1 Trip	1049	10	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 1 Pre-Alarm	1049	11	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 1 Alarm	1049	12	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 2 Trip	1049	13	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 2 Pre-Alarm	1049	14	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 2 Alarm	1049	15	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 3 Trip	1050	0	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 3 Pre-Alarm	1050	1	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 3 Alarm	1050	2	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 4 Trip	1050	3	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 4 Pre-Alarm	1050	4	UInt16	2	R	False=0 True=1
AEM 2 Protection 5	Threshold 4 Alarm	1050	5	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 1 Trip	1050	6	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 1 Pre-Alarm	1050	7	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 1 Alarm	1050	8	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 2 Trip	1050	9	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 2 Pre-Alarm	1050	10	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 2 Alarm	1050	11	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 3 Trip	1050	12	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 3 Pre-Alarm	1050	13	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 3 Alarm	1050	14	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 4 Trip	1050	15	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 4 Pre-Alarm	1051	0	UInt16	2	R	False=0 True=1
AEM 2 Protection 6	Threshold 4 Alarm	1051	1	UInt16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 1 Trip	1051	2	UInt16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 1 Pre-Alarm	1051	3	UInt16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 1 Alarm	1051	4	UInt16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 2 Trip	1051	5	UInt16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 2 Pre-Alarm	1051	6	UInt16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 2 Alarm	1051	7	UInt16	2	R	False=0 True=1
AEM 2 Protection 7	Threshold 3 Trip	1051	8	UInt16	2	R	False=0 True=1

Binary Points Register Table DGC-2020HD Modbus® Protocol

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 2 RTD Protection 5	Threshold 4 Alarm	1056	5	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 1 Trip	1056	6	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 1 Pre-Alarm	1056	7	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 1 Alarm	1056	8	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 2 Trip	1056	9	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 2 Pre-Alarm	1056	10	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 2 Alarm	1056	11	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 3 Trip	1056	12	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 3 Pre-Alarm	1056	13	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 3 Alarm	1056	14	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 4 Trip	1056	15	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 4 Pre-Alarm	1057	0	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 6	Threshold 4 Alarm	1057	1	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 1 Trip	1057	2	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 1 Pre-Alarm	1057	3	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 1 Alarm	1057	4	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 2 Trip	1057	5	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 2 Pre-Alarm	1057	6	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 2 Alarm	1057	7	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 3 Trip	1057	8	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 3 Pre-Alarm	1057	9	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 3 Alarm	1057	10	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 4 Trip	1057	11	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 4 Pre-Alarm	1057	12	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 7	Threshold 4 Alarm	1057	13	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 1 Trip	1057	14	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 1 Pre-Alarm	1057	15	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 1 Alarm	1058	0	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 2 Trip	1058	1	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 2 Pre-Alarm	1058	2	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 2 Alarm	1058	3	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 3 Trip	1058	4	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 3 Pre-Alarm	1058	5	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 3 Alarm	1058	6	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 4 Trip	1058	7	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 4 Pre-Alarm	1058	8	UInt16	2	R	False=0 True=1
AEM 2 RTD Protection 8	Threshold 4 Alarm	1058	9	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 1 Trip	1058	10	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 1 Pre-Alarm	1058	11	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 1 Alarm	1058	12	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 2 Trip	1058	13	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 2 Pre-Alarm	1058	14	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 2 Alarm	1058	15	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 3 Trip	1059	0	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 3 Pre-Alarm	1059	1	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 3 Alarm	1059	2	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 4 Trip	1059	3	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 4 Pre-Alarm	1059	4	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 1	Threshold 4 Alarm	1059	5	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 1 Trip	1059	6	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 1 Pre-Alarm	1059	7	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 1 Alarm	1059	8	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 2 Trip	1059	9	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 2 Pre-Alarm	1059	10	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 2 Alarm	1059	11	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 3 Trip	1059	12	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 3 Pre-Alarm	1059	13	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 3 Alarm	1059	14	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 4 Trip	1059	15	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 4 Pre-Alarm	1060	0	UInt16	2	R	False=0 True=1
AEM 2 Thermal Protection 2	Threshold 4 Alarm	1060	1	UInt16	2	R	False=0 True=1
AEM 3	Connected	1060	2	UInt16	2	R	False=0 True=1
AEM 3	Comms Failure	1060	3	UInt16	2	R	False=0 True=1
AEM 3	Duplicate AEM	1060	4	UInt16	2	R	False=0 True=1
AEM 3	Input 1 Out-of-Range	1060	5	UInt16	2	R	False=0 True=1
AEM 3	Input 1 Out-of-Range Pre-Alarm	1060	6	UInt16	2	R	False=0 True=1
AEM 3	Input 1 Out-of-Range Alarm	1060	7	UInt16	2	R	False=0 True=1
AEM 3	Input 2 Out-of-Range	1060	8	UInt16	2	R	False=0 True=1
AEM 3	Input 2 Out-of-Range Pre-Alarm	1060	9	UInt16	2	R	False=0 True=1
AEM 3	Input 2 Out-of-Range Alarm	1060	10	UInt16	2	R	False=0 True=1
AEM 3	Input 3 Out-of-Range	1060	11	UInt16	2	R	False=0 True=1
AEM 3	Input 3 Out-of-Range Pre-Alarm	1060	12	UInt16	2	R	False=0 True=1
AEM 3	Input 3 Out-of-Range Alarm	1060	13	UInt16	2	R	False=0 True=1
AEM 3	Input 4 Out-of-Range	1060	14	UInt16	2	R	False=0 True=1
AEM 3	Input 4 Out-of-Range Pre-Alarm	1060	15	UInt16	2	R	False=0 True=1
AEM 3	Input 4 Out-of-Range Alarm	1061	0	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 3	Input 5 Out-of-Range	1061	1	UInt16	2	R	False=0 True=1
AEM 3	Input 5 Out-of-Range Pre-Alarm	1061	2	UInt16	2	R	False=0 True=1
AEM 3	Input 5 Out-of-Range Alarm	1061	3	UInt16	2	R	False=0 True=1
AEM 3	Input 6 Out-of-Range	1061	4	UInt16	2	R	False=0 True=1
AEM 3	Input 6 Out-of-Range Pre-Alarm	1061	5	UInt16	2	R	False=0 True=1
AEM 3	Input 6 Out-of-Range Alarm	1061	6	UInt16	2	R	False=0 True=1
AEM 3	Input 7 Out-of-Range	1061	7	UInt16	2	R	False=0 True=1
AEM 3	Input 7 Out-of-Range Pre-Alarm	1061	8	UInt16	2	R	False=0 True=1
AEM 3	Input 7 Out-of-Range Alarm	1061	9	UInt16	2	R	False=0 True=1
AEM 3	Input 8 Out-of-Range	1061	10	UInt16	2	R	False=0 True=1
AEM 3	Input 8 Out-of-Range Pre-Alarm	1061	11	UInt16	2	R	False=0 True=1
AEM 3	Input 8 Out-of-Range Alarm	1061	12	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 1 Out-of-Range	1061	13	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 1 Out-of-Range Pre-Alarm	1061	14	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 1 Out-of-Range Alarm	1061	15	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 2 Out-of-Range	1062	0	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 2 Out-of-Range Pre-Alarm	1062	1	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 2 Out-of-Range Alarm	1062	2	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 3 Out-of-Range	1062	3	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 3 Out-of-Range Pre-Alarm	1062	4	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 3 Out-of-Range Alarm	1062	5	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 4 Out-of-Range	1062	6	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 4 Out-of-Range Pre-Alarm	1062	7	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 4 Out-of-Range Alarm	1062	8	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 5 Out-of-Range	1062	9	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 5 Out-of-Range Pre-Alarm	1062	10	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 5 Out-of-Range Alarm	1062	11	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 6 Out-of-Range	1062	12	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 6 Out-of-Range Pre-Alarm	1062	13	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 6 Out-of-Range Alarm	1062	14	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 7 Out-of-Range	1062	15	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 7 Out-of-Range Pre-Alarm	1063	0	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 7 Out-of-Range Alarm	1063	1	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 8 Out-of-Range	1063	2	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 8 Out-of-Range Pre-Alarm	1063	3	UInt16	2	R	False=0 True=1
AEM 3	RTD Input 8 Out-of-Range Alarm	1063	4	UInt16	2	R	False=0 True=1
AEM 3	Thermocouple 1 Out-of-Range	1063	5	UInt16	2	R	False=0 True=1
AEM 3	Thermocouple 1 Out-of-Range Pre-Alarm	1063	6	UInt16	2	R	False=0 True=1
AEM 3	Thermocouple 1 Out-of-Range Alarm	1063	7	UInt16	2	R	False=0 True=1
AEM 3	Thermocouple 2 Out-of-Range	1063	8	UInt16	2	R	False=0 True=1
AEM 3	Thermocouple 2 Out-of-Range Pre-Alarm	1063	9	UInt16	2	R	False=0 True=1
AEM 3	Thermocouple 2 Out-of-Range Alarm	1063	10	UInt16	2	R	False=0 True=1
AEM 3	Output 1 Out-of-Range	1063	11	UInt16	2	R	False=0 True=1
AEM 3	Output 1 Out-of-Range Pre-Alarm	1063	12	UInt16	2	R	False=0 True=1
AEM 3	Output 1 Out-of-Range Alarm	1063	13	UInt16	2	R	False=0 True=1
AEM 3	Output 2 Out-of-Range	1063	14	UInt16	2	R	False=0 True=1
AEM 3	Output 2 Out-of-Range Pre-Alarm	1063	15	UInt16	2	R	False=0 True=1
AEM 3	Output 2 Out-of-Range Alarm	1064	0	UInt16	2	R	False=0 True=1
AEM 3	Output 3 Out-of-Range	1064	1	UInt16	2	R	False=0 True=1
AEM 3	Output 3 Out-of-Range Pre-Alarm	1064	2	UInt16	2	R	False=0 True=1
AEM 3	Output 3 Out-of-Range Alarm	1064	3	UInt16	2	R	False=0 True=1
AEM 3	Output 4 Out-of-Range	1064	4	UInt16	2	R	False=0 True=1
AEM 3	Output 4 Out-of-Range Pre-Alarm	1064	5	UInt16	2	R	False=0 True=1
AEM 3	Output 4 Out-of-Range Alarm	1064	6	UInt16	2	R	False=0 True=1
AEM 3	Not Configured	1064	7	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 1 Trip	1064	8	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 1 Pre-Alarm	1064	9	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 1 Alarm	1064	10	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 2 Trip	1064	11	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 2 Pre-Alarm	1064	12	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 2 Alarm	1064	13	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 3 Trip	1064	14	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 3 Pre-Alarm	1064	15	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 3 Alarm	1065	0	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 4 Trip	1065	1	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 4 Pre-Alarm	1065	2	UInt16	2	R	False=0 True=1
AEM 3 Protection 1	Threshold 4 Alarm	1065	3	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 1 Trip	1065	4	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 1 Pre-Alarm	1065	5	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 2 Trip	1065	6	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 2 Pre-Alarm	1065	7	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 2 Alarm	1065	8	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 3 Trip	1065	9	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 3 Pre-Alarm	1065	10	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 3 Alarm	1065	11	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 3 Alarm	1065	12	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 3 Protection 2	Threshold 4 Trip	1065	13	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 4 Pre-Alarm	1065	14	UInt16	2	R	False=0 True=1
AEM 3 Protection 2	Threshold 4 Alarm	1065	15	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 1 Trip	1066	0	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 1 Pre-Alarm	1066	1	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 1 Alarm	1066	2	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 2 Trip	1066	3	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 2 Pre-Alarm	1066	4	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 2 Alarm	1066	5	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 3 Trip	1066	6	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 3 Pre-Alarm	1066	7	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 3 Alarm	1066	8	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 4 Trip	1066	9	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 4 Pre-Alarm	1066	10	UInt16	2	R	False=0 True=1
AEM 3 Protection 3	Threshold 4 Alarm	1066	11	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 1 Trip	1066	12	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 1 Pre-Alarm	1066	13	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 1 Alarm	1066	14	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 2 Trip	1066	15	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 2 Pre-Alarm	1067	0	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 2 Alarm	1067	1	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 3 Trip	1067	2	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 3 Pre-Alarm	1067	3	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 3 Alarm	1067	4	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 4 Trip	1067	5	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 4 Pre-Alarm	1067	6	UInt16	2	R	False=0 True=1
AEM 3 Protection 4	Threshold 4 Alarm	1067	7	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 1 Trip	1067	8	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 1 Pre-Alarm	1067	9	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 1 Alarm	1067	10	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 2 Trip	1067	11	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 2 Pre-Alarm	1067	12	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 2 Alarm	1067	13	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 3 Trip	1067	14	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 3 Pre-Alarm	1067	15	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 3 Alarm	1068	0	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 4 Trip	1068	1	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 4 Pre-Alarm	1068	2	UInt16	2	R	False=0 True=1
AEM 3 Protection 5	Threshold 4 Alarm	1068	3	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 1 Trip	1068	4	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 1 Pre-Alarm	1068	5	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 1 Alarm	1068	6	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 2 Trip	1068	7	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 2 Pre-Alarm	1068	8	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 2 Alarm	1068	9	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 3 Trip	1068	10	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 3 Pre-Alarm	1068	11	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 3 Alarm	1068	12	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 4 Trip	1068	13	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 4 Pre-Alarm	1068	14	UInt16	2	R	False=0 True=1
AEM 3 Protection 6	Threshold 4 Alarm	1068	15	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 1 Trip	1069	0	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 1 Pre-Alarm	1069	1	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 1 Alarm	1069	2	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 2 Trip	1069	3	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 2 Pre-Alarm	1069	4	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 2 Alarm	1069	5	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 3 Trip	1069	6	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 3 Pre-Alarm	1069	7	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 3 Alarm	1069	8	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 4 Trip	1069	9	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 4 Pre-Alarm	1069	10	UInt16	2	R	False=0 True=1
AEM 3 Protection 7	Threshold 4 Alarm	1069	11	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 1 Trip	1069	12	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 1 Pre-Alarm	1069	13	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 1 Alarm	1069	14	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 2 Trip	1069	15	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 2 Pre-Alarm	1070	0	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 2 Alarm	1070	1	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 3 Trip	1070	2	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 3 Pre-Alarm	1070	3	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 3 Alarm	1070	4	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 4 Trip	1070	5	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 4 Pre-Alarm	1070	6	UInt16	2	R	False=0 True=1
AEM 3 Protection 8	Threshold 4 Alarm	1070	7	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 1	Threshold 1 Trip	1070	8	UInt16	2	R	False=0 True=1

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Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 3 RTD Protection 7	Threshold 2 Alarm	1075	5	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 3 Trip	1075	6	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 3 Pre-Alarm	1075	7	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 3 Alarm	1075	8	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 4 Trip	1075	9	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 4 Pre-Alarm	1075	10	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 7	Threshold 4 Alarm	1075	11	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 1 Trip	1075	12	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 1 Pre-Alarm	1075	13	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 1 Alarm	1075	14	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 2 Trip	1075	15	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 2 Pre-Alarm	1076	0	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 2 Alarm	1076	1	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 3 Trip	1076	2	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 3 Pre-Alarm	1076	3	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 3 Alarm	1076	4	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 4 Trip	1076	5	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 4 Pre-Alarm	1076	6	UInt16	2	R	False=0 True=1
AEM 3 RTD Protection 8	Threshold 4 Alarm	1076	7	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 1 Trip	1076	8	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 1 Pre-Alarm	1076	9	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 1 Alarm	1076	10	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 2 Trip	1076	11	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 2 Pre-Alarm	1076	12	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 2 Alarm	1076	13	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 3 Trip	1076	14	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 3 Pre-Alarm	1076	15	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 3 Alarm	1077	0	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 4 Trip	1077	1	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 4 Pre-Alarm	1077	2	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 1	Threshold 4 Alarm	1077	3	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 1 Trip	1077	4	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 1 Pre-Alarm	1077	5	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 1 Alarm	1077	6	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 2 Trip	1077	7	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 2 Pre-Alarm	1077	8	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 2 Alarm	1077	9	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 3 Trip	1077	10	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 3 Pre-Alarm	1077	11	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 3 Alarm	1077	12	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 4 Trip	1077	13	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 4 Pre-Alarm	1077	14	UInt16	2	R	False=0 True=1
AEM 3 Thermal Protection 2	Threshold 4 Alarm	1077	15	UInt16	2	R	False=0 True=1
AEM 4	Connected	1078	0	UInt16	2	R	False=0 True=1
AEM 4	Comms Failure	1078	1	UInt16	2	R	False=0 True=1
AEM 4	Duplicate AEM	1078	2	UInt16	2	R	False=0 True=1
AEM 4	Input 1 Out-of-Range	1078	3	UInt16	2	R	False=0 True=1
AEM 4	Input 1 Out-of-Range Pre-Alarm	1078	4	UInt16	2	R	False=0 True=1
AEM 4	Input 1 Out-of-Range Alarm	1078	5	UInt16	2	R	False=0 True=1
AEM 4	Input 2 Out-of-Range	1078	6	UInt16	2	R	False=0 True=1
AEM 4	Input 2 Out-of-Range Pre-Alarm	1078	7	UInt16	2	R	False=0 True=1
AEM 4	Input 2 Out-of-Range Alarm	1078	8	UInt16	2	R	False=0 True=1
AEM 4	Input 3 Out-of-Range	1078	9	UInt16	2	R	False=0 True=1
AEM 4	Input 3 Out-of-Range Pre-Alarm	1078	10	UInt16	2	R	False=0 True=1
AEM 4	Input 3 Out-of-Range Alarm	1078	11	UInt16	2	R	False=0 True=1
AEM 4	Input 4 Out-of-Range	1078	12	UInt16	2	R	False=0 True=1
AEM 4	Input 4 Out-of-Range Pre-Alarm	1078	13	UInt16	2	R	False=0 True=1
AEM 4	Input 4 Out-of-Range Alarm	1078	14	UInt16	2	R	False=0 True=1
AEM 4	Input 5 Out-of-Range	1078	15	UInt16	2	R	False=0 True=1
AEM 4	Input 5 Out-of-Range Pre-Alarm	1079	0	UInt16	2	R	False=0 True=1
AEM 4	Input 5 Out-of-Range Alarm	1079	1	UInt16	2	R	False=0 True=1
AEM 4	Input 6 Out-of-Range	1079	2	UInt16	2	R	False=0 True=1
AEM 4	Input 6 Out-of-Range Pre-Alarm	1079	3	UInt16	2	R	False=0 True=1
AEM 4	Input 6 Out-of-Range Alarm	1079	4	UInt16	2	R	False=0 True=1
AEM 4	Input 7 Out-of-Range	1079	5	UInt16	2	R	False=0 True=1
AEM 4	Input 7 Out-of-Range Pre-Alarm	1079	6	UInt16	2	R	False=0 True=1
AEM 4	Input 7 Out-of-Range Alarm	1079	7	UInt16	2	R	False=0 True=1
AEM 4	Input 8 Out-of-Range	1079	8	UInt16	2	R	False=0 True=1
AEM 4	Input 8 Out-of-Range Pre-Alarm	1079	9	UInt16	2	R	False=0 True=1
AEM 4	Input 8 Out-of-Range Alarm	1079	10	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 1 Out-of-Range	1079	11	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 1 Out-of-Range Pre-Alarm	1079	12	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 1 Out-of-Range Alarm	1079	13	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 2 Out-of-Range	1079	14	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 2 Out-of-Range Pre-Alarm	1079	15	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 2 Out-of-Range Alarm	1080	0	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 4	RTD Input 3 Out-of-Range	1080	1	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 3 Out-of-Range Pre-Alarm	1080	2	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 3 Out-of-Range Alarm	1080	3	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 4 Out-of-Range	1080	4	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 4 Out-of-Range Pre-Alarm	1080	5	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 4 Out-of-Range Alarm	1080	6	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 5 Out-of-Range	1080	7	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 5 Out-of-Range Pre-Alarm	1080	8	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 5 Out-of-Range Alarm	1080	9	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 6 Out-of-Range	1080	10	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 6 Out-of-Range Pre-Alarm	1080	11	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 6 Out-of-Range Alarm	1080	12	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 7 Out-of-Range	1080	13	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 7 Out-of-Range Pre-Alarm	1080	14	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 7 Out-of-Range Alarm	1080	15	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 8 Out-of-Range	1081	0	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 8 Out-of-Range Pre-Alarm	1081	1	UInt16	2	R	False=0 True=1
AEM 4	RTD Input 8 Out-of-Range Alarm	1081	2	UInt16	2	R	False=0 True=1
AEM 4	Thermalcouple 1 Out-of-Range	1081	3	UInt16	2	R	False=0 True=1
AEM 4	Thermalcouple 1 Out-of-Range Pre-Alarm	1081	4	UInt16	2	R	False=0 True=1
AEM 4	Thermalcouple 1 Out-of-Range Alarm	1081	5	UInt16	2	R	False=0 True=1
AEM 4	Thermalcouple 2 Out-of-Range	1081	6	UInt16	2	R	False=0 True=1
AEM 4	Thermalcouple 2 Out-of-Range Pre-Alarm	1081	7	UInt16	2	R	False=0 True=1
AEM 4	Thermalcouple 2 Out-of-Range Alarm	1081	8	UInt16	2	R	False=0 True=1
AEM 4	Output 1 Out-of-Range	1081	9	UInt16	2	R	False=0 True=1
AEM 4	Output 1 Out-of-Range Pre-Alarm	1081	10	UInt16	2	R	False=0 True=1
AEM 4	Output 1 Out-of-Range Alarm	1081	11	UInt16	2	R	False=0 True=1
AEM 4	Output 2 Out-of-Range	1081	12	UInt16	2	R	False=0 True=1
AEM 4	Output 2 Out-of-Range Pre-Alarm	1081	13	UInt16	2	R	False=0 True=1
AEM 4	Output 2 Out-of-Range Alarm	1081	14	UInt16	2	R	False=0 True=1
AEM 4	Output 3 Out-of-Range	1081	15	UInt16	2	R	False=0 True=1
AEM 4	Output 3 Out-of-Range Pre-Alarm	1082	0	UInt16	2	R	False=0 True=1
AEM 4	Output 3 Out-of-Range Alarm	1082	1	UInt16	2	R	False=0 True=1
AEM 4	Output 4 Out-of-Range	1082	2	UInt16	2	R	False=0 True=1
AEM 4	Output 4 Out-of-Range Pre-Alarm	1082	3	UInt16	2	R	False=0 True=1
AEM 4	Output 4 Out-of-Range Alarm	1082	4	UInt16	2	R	False=0 True=1
AEM 4	Not Configured	1082	5	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 1 Trip	1082	6	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 1 Pre-Alarm	1082	7	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 1 Alarm	1082	8	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 2 Trip	1082	9	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 2 Pre-Alarm	1082	10	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 2 Alarm	1082	11	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 3 Trip	1082	12	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 3 Pre-Alarm	1082	13	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 3 Alarm	1082	14	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 4 Trip	1082	15	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 4 Pre-Alarm	1083	0	UInt16	2	R	False=0 True=1
AEM 4 Protection 1	Threshold 4 Alarm	1083	1	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 1 Trip	1083	2	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 1 Pre-Alarm	1083	3	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 1 Alarm	1083	4	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 2 Trip	1083	5	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 2 Pre-Alarm	1083	6	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 2 Alarm	1083	7	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 3 Trip	1083	8	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 3 Pre-Alarm	1083	9	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 3 Alarm	1083	10	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 4 Trip	1083	11	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 4 Pre-Alarm	1083	12	UInt16	2	R	False=0 True=1
AEM 4 Protection 2	Threshold 4 Alarm	1083	13	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 1 Trip	1083	14	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 1 Pre-Alarm	1083	15	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 1 Alarm	1084	0	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 2 Trip	1084	1	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 2 Pre-Alarm	1084	2	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 2 Alarm	1084	3	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 3 Trip	1084	4	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 3 Pre-Alarm	1084	5	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 3 Alarm	1084	6	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 4 Trip	1084	7	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 4 Pre-Alarm	1084	8	UInt16	2	R	False=0 True=1
AEM 4 Protection 3	Threshold 4 Alarm	1084	9	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 1 Trip	1084	10	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 1 Pre-Alarm	1084	11	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 1 Alarm	1084	12	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 4 Protection 4	Threshold 2 Trip	1084	13	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 2 Pre-Alarm	1084	14	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 2 Alarm	1084	15	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 3 Trip	1085	0	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 3 Pre-Alarm	1085	1	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 3 Alarm	1085	2	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 4 Trip	1085	3	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 4 Pre-Alarm	1085	4	UInt16	2	R	False=0 True=1
AEM 4 Protection 4	Threshold 4 Alarm	1085	5	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 1 Trip	1085	6	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 1 Pre-Alarm	1085	7	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 1 Alarm	1085	8	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 2 Trip	1085	9	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 2 Pre-Alarm	1085	10	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 2 Alarm	1085	11	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 3 Trip	1085	12	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 3 Pre-Alarm	1085	13	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 3 Alarm	1085	14	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 4 Trip	1085	15	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 4 Pre-Alarm	1086	0	UInt16	2	R	False=0 True=1
AEM 4 Protection 5	Threshold 4 Alarm	1086	1	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 1 Trip	1086	2	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 1 Pre-Alarm	1086	3	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 1 Alarm	1086	4	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 2 Trip	1086	5	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 2 Pre-Alarm	1086	6	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 2 Alarm	1086	7	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 3 Trip	1086	8	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 3 Pre-Alarm	1086	9	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 3 Alarm	1086	10	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 4 Trip	1086	11	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 4 Pre-Alarm	1086	12	UInt16	2	R	False=0 True=1
AEM 4 Protection 6	Threshold 4 Alarm	1086	13	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 1 Trip	1086	14	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 1 Pre-Alarm	1086	15	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 1 Alarm	1087	0	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 2 Trip	1087	1	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 2 Pre-Alarm	1087	2	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 2 Alarm	1087	3	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 3 Trip	1087	4	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 3 Pre-Alarm	1087	5	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 3 Alarm	1087	6	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 4 Trip	1087	7	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 4 Pre-Alarm	1087	8	UInt16	2	R	False=0 True=1
AEM 4 Protection 7	Threshold 4 Alarm	1087	9	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 1 Trip	1087	10	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 1 Pre-Alarm	1087	11	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 1 Alarm	1087	12	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 2 Trip	1087	13	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 2 Pre-Alarm	1087	14	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 2 Alarm	1087	15	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 3 Trip	1088	0	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 3 Pre-Alarm	1088	1	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 3 Alarm	1088	2	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 4 Trip	1088	3	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 4 Pre-Alarm	1088	4	UInt16	2	R	False=0 True=1
AEM 4 Protection 8	Threshold 4 Alarm	1088	5	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 1 Trip	1088	6	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 1 Pre-Alarm	1088	7	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 1 Alarm	1088	8	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 2 Trip	1088	9	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 2 Pre-Alarm	1088	10	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 2 Alarm	1088	11	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 3 Trip	1088	12	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 3 Pre-Alarm	1088	13	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 3 Alarm	1088	14	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 4 Trip	1088	15	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 4 Pre-Alarm	1089	0	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 1	Threshold 4 Alarm	1089	1	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 1 Trip	1089	2	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 1 Pre-Alarm	1089	3	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 1 Alarm	1089	4	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 2 Trip	1089	5	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 2 Pre-Alarm	1089	6	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 2 Alarm	1089	7	UInt16	2	R	False=0 True=1
AEM 4 RTD Protection 2	Threshold 3 Trip	1089	8	UInt16	2	R	False=0 True=1

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Name	Description	Register	Bit	Type	Bytes	R/W	Range
AEM 4 RTD Protection 8	Threshold 4 Alarm	1094	5	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 1 Trip	1094	6	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 1 Pre-Alarm	1094	7	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 1 Alarm	1094	8	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 2 Trip	1094	9	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 2 Pre-Alarm	1094	10	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 2 Alarm	1094	11	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 3 Trip	1094	12	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 3 Pre-Alarm	1094	13	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 3 Alarm	1094	14	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 4 Trip	1094	15	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 4 Pre-Alarm	1095	0	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 1	Threshold 4 Alarm	1095	1	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 1 Trip	1095	2	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 1 Pre-Alarm	1095	3	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 1 Alarm	1095	4	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 2 Trip	1095	5	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 2 Pre-Alarm	1095	6	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 2 Alarm	1095	7	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 3 Trip	1095	8	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 3 Pre-Alarm	1095	9	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 3 Alarm	1095	10	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 4 Trip	1095	11	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 4 Pre-Alarm	1095	12	UInt16	2	R	False=0 True=1
AEM 4 Thermal Protection 2	Threshold 4 Alarm	1095	13	UInt16	2	R	False=0 True=1
CEM 1	Connected	1095	14	UInt16	2	R	False=0 True=1
CEM 1	Comms Failure	1095	15	UInt16	2	R	False=0 True=1
CEM 1	Duplicate CEM	1096	0	UInt16	2	R	False=0 True=1
CEM 1	Input 1	1096	1	UInt16	2	R	False=0 True=1
CEM 1	Input 2	1096	2	UInt16	2	R	False=0 True=1
CEM 1	Input 3	1096	3	UInt16	2	R	False=0 True=1
CEM 1	Input 4	1096	4	UInt16	2	R	False=0 True=1
CEM 1	Input 5	1096	5	UInt16	2	R	False=0 True=1
CEM 1	Input 6	1096	6	UInt16	2	R	False=0 True=1
CEM 1	Input 7	1096	7	UInt16	2	R	False=0 True=1
CEM 1	Input 8	1096	8	UInt16	2	R	False=0 True=1
CEM 1	Input 9	1096	9	UInt16	2	R	False=0 True=1
CEM 1	Input 10	1096	10	UInt16	2	R	False=0 True=1
CEM 1	Output 1	1096	11	UInt16	2	R	False=0 True=1
CEM 1	Output 2	1096	12	UInt16	2	R	False=0 True=1
CEM 1	Output 3	1096	13	UInt16	2	R	False=0 True=1
CEM 1	Output 4	1096	14	UInt16	2	R	False=0 True=1
CEM 1	Output 5	1096	15	UInt16	2	R	False=0 True=1
CEM 1	Output 6	1097	0	UInt16	2	R	False=0 True=1
CEM 1	Output 7	1097	1	UInt16	2	R	False=0 True=1
CEM 1	Output 8	1097	2	UInt16	2	R	False=0 True=1
CEM 1	Output 9	1097	3	UInt16	2	R	False=0 True=1
CEM 1	Output 10	1097	4	UInt16	2	R	False=0 True=1
CEM 1	Output 11	1097	5	UInt16	2	R	False=0 True=1
CEM 1	Output 12	1097	6	UInt16	2	R	False=0 True=1
CEM 1	Output 13	1097	7	UInt16	2	R	False=0 True=1
CEM 1	Output 14	1097	8	UInt16	2	R	False=0 True=1
CEM 1	Output 15	1097	9	UInt16	2	R	False=0 True=1
CEM 1	Output 16	1097	10	UInt16	2	R	False=0 True=1
CEM 1	Output 17	1097	11	UInt16	2	R	False=0 True=1
CEM 1	Output 18	1097	12	UInt16	2	R	False=0 True=1
CEM 1	Output 19	1097	13	UInt16	2	R	False=0 True=1
CEM 1	Output 20	1097	14	UInt16	2	R	False=0 True=1
CEM 1	Output 21	1097	15	UInt16	2	R	False=0 True=1
CEM 1	Output 22	1098	0	UInt16	2	R	False=0 True=1
CEM 1	Output 23	1098	1	UInt16	2	R	False=0 True=1
CEM 1	Output 24	1098	2	UInt16	2	R	False=0 True=1
CEM 1	Hardware Mismatch	1098	3	UInt16	2	R	False=0 True=1
CEM 1	Not Configured	1098	4	UInt16	2	R	False=0 True=1
CEM 2	Connected	1098	5	UInt16	2	R	False=0 True=1
CEM 2	Comms Failure	1098	6	UInt16	2	R	False=0 True=1
CEM 2	Duplicate CEM	1098	7	UInt16	2	R	False=0 True=1
CEM 2	Input 1	1098	8	UInt16	2	R	False=0 True=1
CEM 2	Input 2	1098	9	UInt16	2	R	False=0 True=1
CEM 2	Input 3	1098	10	UInt16	2	R	False=0 True=1
CEM 2	Input 4	1098	11	UInt16	2	R	False=0 True=1
CEM 2	Input 5	1098	12	UInt16	2	R	False=0 True=1
CEM 2	Input 6	1098	13	UInt16	2	R	False=0 True=1
CEM 2	Input 7	1098	14	UInt16	2	R	False=0 True=1
CEM 2	Input 8	1098	15	UInt16	2	R	False=0 True=1
CEM 2	Input 9	1099	0	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 2	Input 10	1099	1	UInt16	2	R	False=0 True=1
CEM 2	Output 1	1099	2	UInt16	2	R	False=0 True=1
CEM 2	Output 2	1099	3	UInt16	2	R	False=0 True=1
CEM 2	Output 3	1099	4	UInt16	2	R	False=0 True=1
CEM 2	Output 4	1099	5	UInt16	2	R	False=0 True=1
CEM 2	Output 5	1099	6	UInt16	2	R	False=0 True=1
CEM 2	Output 6	1099	7	UInt16	2	R	False=0 True=1
CEM 2	Output 7	1099	8	UInt16	2	R	False=0 True=1
CEM 2	Output 8	1099	9	UInt16	2	R	False=0 True=1
CEM 2	Output 9	1099	10	UInt16	2	R	False=0 True=1
CEM 2	Output 10	1099	11	UInt16	2	R	False=0 True=1
CEM 2	Output 11	1099	12	UInt16	2	R	False=0 True=1
CEM 2	Output 12	1099	13	UInt16	2	R	False=0 True=1
CEM 2	Output 13	1099	14	UInt16	2	R	False=0 True=1
CEM 2	Output 14	1099	15	UInt16	2	R	False=0 True=1
CEM 2	Output 15	1100	0	UInt16	2	R	False=0 True=1
CEM 2	Output 16	1100	1	UInt16	2	R	False=0 True=1
CEM 2	Output 17	1100	2	UInt16	2	R	False=0 True=1
CEM 2	Output 18	1100	3	UInt16	2	R	False=0 True=1
CEM 2	Output 19	1100	4	UInt16	2	R	False=0 True=1
CEM 2	Output 20	1100	5	UInt16	2	R	False=0 True=1
CEM 2	Output 21	1100	6	UInt16	2	R	False=0 True=1
CEM 2	Output 22	1100	7	UInt16	2	R	False=0 True=1
CEM 2	Output 23	1100	8	UInt16	2	R	False=0 True=1
CEM 2	Output 24	1100	9	UInt16	2	R	False=0 True=1
CEM 2	Hardware Mismatch	1100	10	UInt16	2	R	False=0 True=1
CEM 2	Not Configured	1100	11	UInt16	2	R	False=0 True=1
CEM 3	Connected	1100	12	UInt16	2	R	False=0 True=1
CEM 3	Comms Failure	1100	13	UInt16	2	R	False=0 True=1
CEM 3	Duplicate CEM	1100	14	UInt16	2	R	False=0 True=1
CEM 3	Input 1	1100	15	UInt16	2	R	False=0 True=1
CEM 3	Input 2	1101	0	UInt16	2	R	False=0 True=1
CEM 3	Input 3	1101	1	UInt16	2	R	False=0 True=1
CEM 3	Input 4	1101	2	UInt16	2	R	False=0 True=1
CEM 3	Input 5	1101	3	UInt16	2	R	False=0 True=1
CEM 3	Input 6	1101	4	UInt16	2	R	False=0 True=1
CEM 3	Input 7	1101	5	UInt16	2	R	False=0 True=1
CEM 3	Input 8	1101	6	UInt16	2	R	False=0 True=1
CEM 3	Input 9	1101	7	UInt16	2	R	False=0 True=1
CEM 3	Input 10	1101	8	UInt16	2	R	False=0 True=1
CEM 3	Output 1	1101	9	UInt16	2	R	False=0 True=1
CEM 3	Output 2	1101	10	UInt16	2	R	False=0 True=1
CEM 3	Output 3	1101	11	UInt16	2	R	False=0 True=1
CEM 3	Output 4	1101	12	UInt16	2	R	False=0 True=1
CEM 3	Output 5	1101	13	UInt16	2	R	False=0 True=1
CEM 3	Output 6	1101	14	UInt16	2	R	False=0 True=1
CEM 3	Output 7	1101	15	UInt16	2	R	False=0 True=1
CEM 3	Output 8	1102	0	UInt16	2	R	False=0 True=1
CEM 3	Output 9	1102	1	UInt16	2	R	False=0 True=1
CEM 3	Output 10	1102	2	UInt16	2	R	False=0 True=1
CEM 3	Output 11	1102	3	UInt16	2	R	False=0 True=1
CEM 3	Output 12	1102	4	UInt16	2	R	False=0 True=1
CEM 3	Output 13	1102	5	UInt16	2	R	False=0 True=1
CEM 3	Output 14	1102	6	UInt16	2	R	False=0 True=1
CEM 3	Output 15	1102	7	UInt16	2	R	False=0 True=1
CEM 3	Output 16	1102	8	UInt16	2	R	False=0 True=1
CEM 3	Output 17	1102	9	UInt16	2	R	False=0 True=1
CEM 3	Output 18	1102	10	UInt16	2	R	False=0 True=1
CEM 3	Output 19	1102	11	UInt16	2	R	False=0 True=1
CEM 3	Output 20	1102	12	UInt16	2	R	False=0 True=1
CEM 3	Output 21	1102	13	UInt16	2	R	False=0 True=1
CEM 3	Output 22	1102	14	UInt16	2	R	False=0 True=1
CEM 3	Output 23	1102	15	UInt16	2	R	False=0 True=1
CEM 3	Output 24	1103	0	UInt16	2	R	False=0 True=1
CEM 3	Hardware Mismatch	1103	1	UInt16	2	R	False=0 True=1
CEM 3	Not Configured	1103	2	UInt16	2	R	False=0 True=1
CEM 4	Connected	1103	3	UInt16	2	R	False=0 True=1
CEM 4	Comms Failure	1103	4	UInt16	2	R	False=0 True=1
CEM 4	Duplicate CEM	1103	5	UInt16	2	R	False=0 True=1
CEM 4	Input 1	1103	6	UInt16	2	R	False=0 True=1
CEM 4	Input 2	1103	7	UInt16	2	R	False=0 True=1
CEM 4	Input 3	1103	8	UInt16	2	R	False=0 True=1
CEM 4	Input 4	1103	9	UInt16	2	R	False=0 True=1
CEM 4	Input 5	1103	10	UInt16	2	R	False=0 True=1
CEM 4	Input 6	1103	11	UInt16	2	R	False=0 True=1
CEM 4	Input 7	1103	12	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 4	Input 8	1103	13	UInt16	2	R	False=0 True=1
CEM 4	Input 9	1103	14	UInt16	2	R	False=0 True=1
CEM 4	Input 10	1103	15	UInt16	2	R	False=0 True=1
CEM 4	Output 1	1104	0	UInt16	2	R	False=0 True=1
CEM 4	Output 2	1104	1	UInt16	2	R	False=0 True=1
CEM 4	Output 3	1104	2	UInt16	2	R	False=0 True=1
CEM 4	Output 4	1104	3	UInt16	2	R	False=0 True=1
CEM 4	Output 5	1104	4	UInt16	2	R	False=0 True=1
CEM 4	Output 6	1104	5	UInt16	2	R	False=0 True=1
CEM 4	Output 7	1104	6	UInt16	2	R	False=0 True=1
CEM 4	Output 8	1104	7	UInt16	2	R	False=0 True=1
CEM 4	Output 9	1104	8	UInt16	2	R	False=0 True=1
CEM 4	Output 10	1104	9	UInt16	2	R	False=0 True=1
CEM 4	Output 11	1104	10	UInt16	2	R	False=0 True=1
CEM 4	Output 12	1104	11	UInt16	2	R	False=0 True=1
CEM 4	Output 13	1104	12	UInt16	2	R	False=0 True=1
CEM 4	Output 14	1104	13	UInt16	2	R	False=0 True=1
CEM 4	Output 15	1104	14	UInt16	2	R	False=0 True=1
CEM 4	Output 16	1104	15	UInt16	2	R	False=0 True=1
CEM 4	Output 17	1105	0	UInt16	2	R	False=0 True=1
CEM 4	Output 18	1105	1	UInt16	2	R	False=0 True=1
CEM 4	Output 19	1105	2	UInt16	2	R	False=0 True=1
CEM 4	Output 20	1105	3	UInt16	2	R	False=0 True=1
CEM 4	Output 21	1105	4	UInt16	2	R	False=0 True=1
CEM 4	Output 22	1105	5	UInt16	2	R	False=0 True=1
CEM 4	Output 23	1105	6	UInt16	2	R	False=0 True=1
CEM 4	Output 24	1105	7	UInt16	2	R	False=0 True=1
CEM 4	Hardware Mismatch	1105	8	UInt16	2	R	False=0 True=1
CEM 4	Not Configured	1105	9	UInt16	2	R	False=0 True=1
Genset Controller	In Ready State	1105	10	UInt16	2	R	False=0 True=1
Genset Controller	In Cranking State	1105	11	UInt16	2	R	False=0 True=1
Genset Controller	In Resting State	1105	12	UInt16	2	R	False=0 True=1
Genset Controller	In Running State	1105	13	UInt16	2	R	False=0 True=1
Genset Controller	In Alarm State	1105	14	UInt16	2	R	False=0 True=1
Genset Controller	In Prestart State	1105	15	UInt16	2	R	False=0 True=1
Genset Controller	In Cooling State	1106	0	UInt16	2	R	False=0 True=1
Genset Controller	In Connecting State	1106	1	UInt16	2	R	False=0 True=1
Genset Controller	In Disconnect State	1106	2	UInt16	2	R	False=0 True=1
Genset Controller	In Pulsing State	1106	3	UInt16	2	R	False=0 True=1
Genset Controller	External Start Delay	1106	4	UInt16	2	R	False=0 True=1
Genset Controller	Start Delay Bypass	1106	5	UInt16	2	R	False=0 True=1
Genset Controller	Overcrank Alarm	1106	6	UInt16	2	R	False=0 True=1
Genset Controller	Off Mode Cooldown	1106	7	UInt16	2	R	False=0 True=1
Genset Controller	Cooldown and Stop Request From Logic	1106	8	UInt16	2	R	False=0 True=1
Genset Controller	Cooldown Request From Logic	1106	9	UInt16	2	R	False=0 True=1
Genset Controller	In Unloading State	1106	10	UInt16	2	R	False=0 True=1
Genset Controller	Auto Mode Status	1106	11	UInt16	2	R	False=0 True=1
Genset Controller	Off Mode Status	1106	12	UInt16	2	R	False=0 True=1
Genset Controller	Run Mode Status	1106	13	UInt16	2	R	False=0 True=1
Genset Controller	Paralleled to Mains	1106	14	UInt16	2	R	False=0 True=1
Genset Controller	Emergency Stop Button	1106	15	UInt16	2	R	False=0 True=1
Genset Controller	Cooldown Timer Active	1107	0	UInt16	2	R	False=0 True=1
Genset Controller	Idle Request Active	1107	1	UInt16	2	R	False=0 True=1
Genset Controller	Global Low Coolant Level Pre-Alarm	1107	2	UInt16	2	R	False=0 True=1
Genset Controller	Global Low Coolant Level Alarm	1107	3	UInt16	2	R	False=0 True=1
Genset Controller	Global Low Coolant Level Status	1107	4	UInt16	2	R	False=0 True=1
Coms Control Group	Reset Active	1107	5	UInt16	2	R	False=0 True=1
Coms Control Group	Lamp Test Active	1107	6	UInt16	2	R	False=0 True=1
Load Detection	Supplying Load	1107	7	UInt16	2	R	False=0 True=1
Run Statistics	Maintenance Due	1107	8	UInt16	2	R	False=0 True=1
Unit ID Table	ID Missing Pre-Alarm	1107	9	UInt16	2	R	False=0 True=1
Unit ID Table	ID Repeat Pre-Alarm	1107	10	UInt16	2	R	False=0 True=1
Load Share Settings	Intergenset Comms Fail	1107	11	UInt16	2	R	False=0 True=1
Auto Restart	Auto Restart Fail Alarm	1107	12	UInt16	2	R	False=0 True=1
ECU Config	Loss of ECU Comm Alarm	1107	13	UInt16	2	R	False=0 True=1
ECU Config	Loss of ECU Comm Pre-Alarm	1107	14	UInt16	2	R	False=0 True=1
ECU Config	Diagnostic Trouble Code Pre-Alarm	1107	15	UInt16	2	R	False=0 True=1
ECU Config	Shutdown	1108	0	UInt16	2	R	False=0 True=1
ECU Config	DEF Empty	1108	1	UInt16	2	R	False=0 True=1
ECU Config	DEF Engine Derate	1108	2	UInt16	2	R	False=0 True=1
ECU Config	DEF Inducement Override	1108	3	UInt16	2	R	False=0 True=1
ECU Config	DEF Low	1108	4	UInt16	2	R	False=0 True=1
ECU Config	DEF Presevere Inducement	1108	5	UInt16	2	R	False=0 True=1
ECU Config	DEF Severe Inducement	1108	6	UInt16	2	R	False=0 True=1
ECU Config	DPF Regenerate Disabled	1108	7	UInt16	2	R	False=0 True=1
ECU Config	DPF Regenerate Required	1108	8	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
ECU Config	DPF Soot Level High Least Severe	1108	9	Uint16	2	R	False=0 True=1
ECU Config	DPF Soot Level High Moderately Severe	1108	10	Uint16	2	R	False=0 True=1
ECU Config	DPF Soot Level High Most Severe	1108	11	Uint16	2	R	False=0 True=1
ECU Config	Fuel Filter 1 Leak	1108	12	Uint16	2	R	False=0 True=1
ECU Config	Fuel Filter 2 Leak	1108	13	Uint16	2	R	False=0 True=1
ECU Config	High Exhaust Temp	1108	14	Uint16	2	R	False=0 True=1
ECU Config	Low Coolant Level Alarm From DTC	1108	15	Uint16	2	R	False=0 True=1
ECU Config	mtu High Charge Air Temp Alarm	1109	0	Uint16	2	R	False=0 True=1
ECU Config	mtu High Oil Temp Alarm	1109	1	Uint16	2	R	False=0 True=1
ECU Config	mtu HIGH COOLANT TEMP ALARM	1109	2	Uint16	2	R	False=0 True=1
ECU Config	mtu LOW AFTERCOOLER COOL LVL ALARM	1109	3	Uint16	2	R	False=0 True=1
ECU Config	mtu Low Fuel Delivery Pressure Alarm	1109	4	Uint16	2	R	False=0 True=1
ECU Config	mtu Low Oil Pressure Alarm	1109	5	Uint16	2	R	False=0 True=1
ECU Config	mtu Overspeed Alarm	1109	6	Uint16	2	R	False=0 True=1
ECU Config	mtu Combined Red Alarm Status From ECU	1109	7	Uint16	2	R	False=0 True=1
ECU Config	mtu High ECU Temp Pre-Alarm	1109	8	Uint16	2	R	False=0 True=1
ECU Config	mtu High Oil Temp Pre-Alarm	1109	9	Uint16	2	R	False=0 True=1
ECU Config	mtu High Intercooler Temp Pre-Alarm	1109	10	Uint16	2	R	False=0 True=1
ECU Config	mtu High Charge Air Temp Pre-Alarm	1109	11	Uint16	2	R	False=0 True=1
ECU Config	mtu High Coolant Temp Pre-Alarm	1109	12	Uint16	2	R	False=0 True=1
ECU Config	mtu Shutdown Override Pre-Alarm	1109	13	Uint16	2	R	False=0 True=1
ECU Config	mtu High Fuel Rail Pressure Pre-Alarm	1109	14	Uint16	2	R	False=0 True=1
ECU Config	mtu Low Fuel Rail Pressure Pre-Alarm	1109	15	Uint16	2	R	False=0 True=1
ECU Config	mtu Low Coolant Level Pre-Alarm	1110	0	Uint16	2	R	False=0 True=1
ECU Config	mtu Low Charge Air Pressure Pre-Alarm	1110	1	Uint16	2	R	False=0 True=1
ECU Config	mtu Low Fuel Delivery Pressure Pre-Alarm	1110	2	Uint16	2	R	False=0 True=1
ECU Config	mtu Low Oil Pressure Pre-Alarm	1110	3	Uint16	2	R	False=0 True=1
ECU Config	mtu Combined Yellow Pre-Alarm	1110	4	Uint16	2	R	False=0 True=1
ECU Config	mtu Hi Fuel Filter Diff Pressure Pre-Alarm	1110	5	Uint16	2	R	False=0 True=1
ECU Config	mtu Test Overspeed Active Pre-Alarm	1110	6	Uint16	2	R	False=0 True=1
ECU Config	CAN Mode Feedback Status	1110	7	Uint16	2	R	False=0 True=1
ECU Config	Cylinder Cutout Status	1110	8	Uint16	2	R	False=0 True=1
ECU Config	ECU Faulty Pre-Alarm	1110	9	Uint16	2	R	False=0 True=1
ECU Config	ECU Override Feedback Status	1110	10	Uint16	2	R	False=0 True=1
ECU Config	Engine Running Status Bit	1110	11	Uint16	2	R	False=0 True=1
ECU Config	Engine Speed Too Low Pre-Alarm	1110	12	Uint16	2	R	False=0 True=1
ECU Config	External Stop Active Status	1110	13	Uint16	2	R	False=0 True=1
ECU Config	Hi Day Tank Level Pre-Alarm	1110	14	Uint16	2	R	False=0 True=1
ECU Config	High ECU Supply Voltage Alarm	1110	15	Uint16	2	R	False=0 True=1
ECU Config	High Exhaust Temp A Pre-Alarm	1111	0	Uint16	2	R	False=0 True=1
ECU Config	High Exhaust Temp B Pre-Alarm	1111	1	Uint16	2	R	False=0 True=1
ECU Config	High Fuel Temp Pre-Alarm	1111	2	Uint16	2	R	False=0 True=1
ECU Config	High Storage Tank Level Pre-Alarm	1111	3	Uint16	2	R	False=0 True=1
ECU Config	High Voltage Supply Pre-Alarm	1111	4	Uint16	2	R	False=0 True=1
ECU Config	Hi Pressure IN 1 Pre-Alarm	1111	5	Uint16	2	R	False=0 True=1
ECU Config	Hi Pressure IN 2 Pre-Alarm	1111	6	Uint16	2	R	False=0 True=1
ECU Config	Hi T Ambient Pre-Alarm	1111	7	Uint16	2	R	False=0 True=1
ECU Config	Hi TCOIL 1 Pre-Alarm	1111	8	Uint16	2	R	False=0 True=1
ECU Config	Hi TCOIL 2 Pre-Alarm	1111	9	Uint16	2	R	False=0 True=1
ECU Config	Hi TCOIL 3 Pre-Alarm	1111	10	Uint16	2	R	False=0 True=1
ECU Config	Idle Speed Low Pre-Alarm	1111	11	Uint16	2	R	False=0 True=1
ECU Config	Load Gen On Status	1111	12	Uint16	2	R	False=0 True=1
ECU Config	Low Charge Air Coolant Level Pre-Alarm	1111	13	Uint16	2	R	False=0 True=1
ECU Config	Low Day Tank Level Pre-Alarm	1111	14	Uint16	2	R	False=0 True=1
ECU Config	Low ECU Supply Voltage Pre-Alarm	1111	15	Uint16	2	R	False=0 True=1
ECU Config	Low Storage Tank Level Pre-Alarm	1112	0	Uint16	2	R	False=0 True=1
ECU Config	Low Voltage Supply Pre-Alarm	1112	1	Uint16	2	R	False=0 True=1
ECU Config	Preheat Temp Not Reached Status	1112	2	Uint16	2	R	False=0 True=1
ECU Config	Priming Fault Pre-Alarm	1112	3	Uint16	2	R	False=0 True=1
ECU Config	Priming Pump On Status	1112	4	Uint16	2	R	False=0 True=1
ECU Config	Run-up Speed Low Pre-Alarm	1112	5	Uint16	2	R	False=0 True=1
ECU Config	Speed DEC Feedback Status	1112	6	Uint16	2	R	False=0 True=1
ECU Config	Speed Demand Fail Mode Status	1112	7	Uint16	2	R	False=0 True=1
ECU Config	Speed Demand Fail Pre-Alarm	1112	8	Uint16	2	R	False=0 True=1
ECU Config	Speed INC Feedback Status	1112	9	Uint16	2	R	False=0 True=1
ECU Config	Start Speed Low Pre-Alarm	1112	10	Uint16	2	R	False=0 True=1
ECU Config	T Alternator Wiring Pre-Alarm	1112	11	Uint16	2	R	False=0 True=1
Settings Group	Use SG0	1112	12	Uint16	2	R	False=0 True=1
Settings Group	Use SG1	1112	13	Uint16	2	R	False=0 True=1
Settings Group	Use SG2	1112	14	Uint16	2	R	False=0 True=1
Settings Group	Use SG3	1112	15	Uint16	2	R	False=0 True=1
Sync	Active	1113	0	Uint16	2	R	False=0 True=1
Sync	Breaker Close OK	1113	1	Uint16	2	R	False=0 True=1
Sync	Volt OK	1113	2	Uint16	2	R	False=0 True=1
Sync	Freq OK	1113	3	Uint16	2	R	False=0 True=1
Sync	Phase OK	1113	4	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Sync	Sync OK	1113	5	UInt16	2	R	False=0 True=1
Generator Breaker	Breaker Status	1113	6	UInt16	2	R	False=0 True=1
Generator Breaker	Sync Fail	1113	7	UInt16	2	R	False=0 True=1
Generator Breaker	Fail to Close	1113	8	UInt16	2	R	False=0 True=1
Generator Breaker	Fail to Open	1113	9	UInt16	2	R	False=0 True=1
Mains Breaker	Breaker Status	1113	10	UInt16	2	R	False=0 True=1
Mains Breaker	Sync Fail	1113	11	UInt16	2	R	False=0 True=1
Mains Breaker	Fail to Close	1113	12	UInt16	2	R	False=0 True=1
Mains Breaker	Fail to Open	1113	13	UInt16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Inhibit From PLC	1113	14	UInt16	2	R	False=0 True=1
Breaker Local Request Generation	Closed Transition Override From PLC	1113	15	UInt16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Test Active	1114	0	UInt16	2	R	False=0 True=1
Breaker Local Request Generation	Auto Breaker OP Inhibit	1114	1	UInt16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Enabled	1114	2	UInt16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Fail	1114	3	UInt16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Complete	1114	4	UInt16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Zero Power Flow	1114	5	UInt16	2	R	False=0 True=1
Genset Controller	Gen Reverse Rotation	1114	6	UInt16	2	R	False=0 True=1
Genset Controller	Bus 1 ReverseRotation	1114	7	UInt16	2	R	False=0 True=1
Genset Controller	Bus 2 ReverseRotation	1114	8	UInt16	2	R	False=0 True=1
Bias Control	Take Over Load Active	1114	9	UInt16	2	R	False=0 True=1
Bias Control	var Mode Active	1114	10	UInt16	2	R	False=0 True=1
Bias Control	PF Mode Active	1114	11	UInt16	2	R	False=0 True=1
Gen Condition	Dead	1114	12	UInt16	2	R	False=0 True=1
Gen Condition	Failed	1114	13	UInt16	2	R	False=0 True=1
Gen Condition	Stable	1114	14	UInt16	2	R	False=0 True=1
Bus 1 Condition	Dead	1114	15	UInt16	2	R	False=0 True=1
Bus 1 Condition	Failed	1115	0	UInt16	2	R	False=0 True=1
Bus 1 Condition	Stable	1115	1	UInt16	2	R	False=0 True=1
Bus 2 Condition	Dead	1115	2	UInt16	2	R	False=0 True=1
Bus 2 Condition	Failed	1115	3	UInt16	2	R	False=0 True=1
Bus 2 Condition	Stable	1115	4	UInt16	2	R	False=0 True=1
Coolant Temp Sender Fail	Alarm	1115	5	UInt16	2	R	False=0 True=1
Coolant Temp Sender Fail	Pre-Alarm	1115	6	UInt16	2	R	False=0 True=1
Oil Pressure Sender Fail	Alarm	1115	7	UInt16	2	R	False=0 True=1
Oil Pressure Sender Fail	Pre-Alarm	1115	8	UInt16	2	R	False=0 True=1
Fuel Level Sender Fail	Alarm	1115	9	UInt16	2	R	False=0 True=1
Fuel Level Sender Fail	Pre-Alarm	1115	10	UInt16	2	R	False=0 True=1
Voltage Sensing Sender Fail	Alarm	1115	11	UInt16	2	R	False=0 True=1
Voltage Sensing Sender Fail	Pre-Alarm	1115	12	UInt16	2	R	False=0 True=1
Auto Transfer Switch	Status	1115	13	UInt16	2	R	False=0 True=1
Auto Transfer Switch	Alarm	1115	14	UInt16	2	R	False=0 True=1
Auto Transfer Switch	Pre-Alarm	1115	15	UInt16	2	R	False=0 True=1
Grounded Delta Override	Status	1116	0	UInt16	2	R	False=0 True=1
Grounded Delta Override	Alarm	1116	1	UInt16	2	R	False=0 True=1
Grounded Delta Override	Pre-Alarm	1116	2	UInt16	2	R	False=0 True=1
Battle Override	Status	1116	3	UInt16	2	R	False=0 True=1
Battle Override	Alarm	1116	4	UInt16	2	R	False=0 True=1
Battle Override	Pre-Alarm	1116	5	UInt16	2	R	False=0 True=1
Low-Line Override	Status	1116	6	UInt16	2	R	False=0 True=1
Low-Line Override	Alarm	1116	7	UInt16	2	R	False=0 True=1
Low-Line Override	Pre-Alarm	1116	8	UInt16	2	R	False=0 True=1
Single-Phase AC Override	Status	1116	9	UInt16	2	R	False=0 True=1
Single-Phase AC Override	Alarm	1116	10	UInt16	2	R	False=0 True=1
Single-Phase AC Override	Pre-Alarm	1116	11	UInt16	2	R	False=0 True=1
Battery Charger Fail	Status	1116	12	UInt16	2	R	False=0 True=1
Battery Charger Fail	Alarm	1116	13	UInt16	2	R	False=0 True=1
Battery Charger Fail	Pre-Alarm	1116	14	UInt16	2	R	False=0 True=1
Low Coolant Level	Status	1116	15	UInt16	2	R	False=0 True=1
Fuel Leak Detect	Status	1117	0	UInt16	2	R	False=0 True=1
Fuel Leak Detect	Alarm	1117	1	UInt16	2	R	False=0 True=1
Fuel Leak Detect	Pre-Alarm	1117	2	UInt16	2	R	False=0 True=1
Emergency Stop	Status	1117	3	UInt16	2	R	False=0 True=1
Emergency Stop	Alarm	1117	4	UInt16	2	R	False=0 True=1
Emergency Stop	Pre-Alarm	1117	5	UInt16	2	R	False=0 True=1
Single-Phase Override	Status	1117	6	UInt16	2	R	False=0 True=1
Configurable Element 1	Output	1117	7	UInt16	2	R	False=0 True=1
Configurable Element 1	Alarm	1117	8	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Configurable Element 1	Pre-Alarm	1117	9	Uint16	2	R	False=0 True=1
Configurable Element 2	Output	1117	10	Uint16	2	R	False=0 True=1
Configurable Element 2	Alarm	1117	11	Uint16	2	R	False=0 True=1
Configurable Element 2	Pre-Alarm	1117	12	Uint16	2	R	False=0 True=1
Configurable Element 3	Output	1117	13	Uint16	2	R	False=0 True=1
Configurable Element 3	Alarm	1117	14	Uint16	2	R	False=0 True=1
Configurable Element 3	Pre-Alarm	1117	15	Uint16	2	R	False=0 True=1
Configurable Element 4	Output	1118	0	Uint16	2	R	False=0 True=1
Configurable Element 4	Alarm	1118	1	Uint16	2	R	False=0 True=1
Configurable Element 4	Pre-Alarm	1118	2	Uint16	2	R	False=0 True=1
Configurable Element 5	Output	1118	3	Uint16	2	R	False=0 True=1
Configurable Element 5	Alarm	1118	4	Uint16	2	R	False=0 True=1
Configurable Element 5	Pre-Alarm	1118	5	Uint16	2	R	False=0 True=1
Configurable Element 6	Output	1118	6	Uint16	2	R	False=0 True=1
Configurable Element 6	Alarm	1118	7	Uint16	2	R	False=0 True=1
Configurable Element 6	Pre-Alarm	1118	8	Uint16	2	R	False=0 True=1
Configurable Element 7	Output	1118	9	Uint16	2	R	False=0 True=1
Configurable Element 7	Alarm	1118	10	Uint16	2	R	False=0 True=1
Configurable Element 7	Pre-Alarm	1118	11	Uint16	2	R	False=0 True=1
Configurable Element 8	Output	1118	12	Uint16	2	R	False=0 True=1
Configurable Element 8	Alarm	1118	13	Uint16	2	R	False=0 True=1
Configurable Element 8	Pre-Alarm	1118	14	Uint16	2	R	False=0 True=1
Contact Input 1	Alarm	1118	15	Uint16	2	R	False=0 True=1
Contact Input 1	Pre-Alarm	1119	0	Uint16	2	R	False=0 True=1
Contact Input 1	State	1119	1	Uint16	2	R	False=0 True=1
Contact Input 2	Alarm	1119	2	Uint16	2	R	False=0 True=1
Contact Input 2	Pre-Alarm	1119	3	Uint16	2	R	False=0 True=1
Contact Input 2	State	1119	4	Uint16	2	R	False=0 True=1
Contact Input 3	Alarm	1119	5	Uint16	2	R	False=0 True=1
Contact Input 3	Pre-Alarm	1119	6	Uint16	2	R	False=0 True=1
Contact Input 3	State	1119	7	Uint16	2	R	False=0 True=1
Contact Input 4	Alarm	1119	8	Uint16	2	R	False=0 True=1
Contact Input 4	Pre-Alarm	1119	9	Uint16	2	R	False=0 True=1
Contact Input 4	State	1119	10	Uint16	2	R	False=0 True=1
Contact Input 5	Alarm	1119	11	Uint16	2	R	False=0 True=1
Contact Input 5	Pre-Alarm	1119	12	Uint16	2	R	False=0 True=1
Contact Input 5	State	1119	13	Uint16	2	R	False=0 True=1
Contact Input 6	Alarm	1119	14	Uint16	2	R	False=0 True=1
Contact Input 6	Pre-Alarm	1119	15	Uint16	2	R	False=0 True=1
Contact Input 6	State	1120	0	Uint16	2	R	False=0 True=1
Contact Input 7	Alarm	1120	1	Uint16	2	R	False=0 True=1
Contact Input 7	Pre-Alarm	1120	2	Uint16	2	R	False=0 True=1
Contact Input 7	State	1120	3	Uint16	2	R	False=0 True=1
Contact Input 8	Alarm	1120	4	Uint16	2	R	False=0 True=1
Contact Input 8	Pre-Alarm	1120	5	Uint16	2	R	False=0 True=1
Contact Input 8	State	1120	6	Uint16	2	R	False=0 True=1
Contact Input 9	Alarm	1120	7	Uint16	2	R	False=0 True=1
Contact Input 9	Pre-Alarm	1120	8	Uint16	2	R	False=0 True=1
Contact Input 9	State	1120	9	Uint16	2	R	False=0 True=1
Contact Input 10	Alarm	1120	10	Uint16	2	R	False=0 True=1
Contact Input 10	Pre-Alarm	1120	11	Uint16	2	R	False=0 True=1
Contact Input 10	State	1120	12	Uint16	2	R	False=0 True=1
Contact Input 11	Alarm	1120	13	Uint16	2	R	False=0 True=1
Contact Input 11	Pre-Alarm	1120	14	Uint16	2	R	False=0 True=1
Contact Input 11	State	1120	15	Uint16	2	R	False=0 True=1
Contact Input 12	Alarm	1121	0	Uint16	2	R	False=0 True=1
Contact Input 12	Pre-Alarm	1121	1	Uint16	2	R	False=0 True=1
Contact Input 12	State	1121	2	Uint16	2	R	False=0 True=1
Contact Input 13	Alarm	1121	3	Uint16	2	R	False=0 True=1
Contact Input 13	Pre-Alarm	1121	4	Uint16	2	R	False=0 True=1
Contact Input 13	State	1121	5	Uint16	2	R	False=0 True=1
Contact Input 14	Alarm	1121	6	Uint16	2	R	False=0 True=1
Contact Input 14	Pre-Alarm	1121	7	Uint16	2	R	False=0 True=1
Contact Input 14	State	1121	8	Uint16	2	R	False=0 True=1
Contact Input 15	Alarm	1121	9	Uint16	2	R	False=0 True=1
Contact Input 15	Pre-Alarm	1121	10	Uint16	2	R	False=0 True=1
Contact Input 15	State	1121	11	Uint16	2	R	False=0 True=1
Contact Input 16	Alarm	1121	12	Uint16	2	R	False=0 True=1
Contact Input 16	Pre-Alarm	1121	13	Uint16	2	R	False=0 True=1
Contact Input 16	State	1121	14	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 1	Alarm	1121	15	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 1	Pre-Alarm	1122	0	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 1	State	1122	1	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 2	Alarm	1122	2	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 2	Pre-Alarm	1122	3	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 2	State	1122	4	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 1 Contact Input 3	Alarm	1122	5	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 3	Pre-Alarm	1122	6	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 3	State	1122	7	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 4	Alarm	1122	8	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 4	Pre-Alarm	1122	9	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 4	State	1122	10	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 5	Alarm	1122	11	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 5	Pre-Alarm	1122	12	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 5	State	1122	13	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 6	Alarm	1122	14	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 6	Pre-Alarm	1122	15	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 6	State	1123	0	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 7	Alarm	1123	1	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 7	Pre-Alarm	1123	2	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 7	State	1123	3	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 8	Alarm	1123	4	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 8	Pre-Alarm	1123	5	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 8	State	1123	6	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 9	Alarm	1123	7	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 9	Pre-Alarm	1123	8	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 9	State	1123	9	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 10	Alarm	1123	10	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 10	Pre-Alarm	1123	11	Uint16	2	R	False=0 True=1
CEM 1 Contact Input 10	State	1123	12	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 1	Alarm	1123	13	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 1	Pre-Alarm	1123	14	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 1	State	1123	15	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 2	Alarm	1124	0	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 2	Pre-Alarm	1124	1	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 2	State	1124	2	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 3	Alarm	1124	3	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 3	Pre-Alarm	1124	4	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 3	State	1124	5	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 4	Alarm	1124	6	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 4	Pre-Alarm	1124	7	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 4	State	1124	8	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 5	Alarm	1124	9	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 5	Pre-Alarm	1124	10	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 5	State	1124	11	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 6	Alarm	1124	12	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 6	Pre-Alarm	1124	13	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 6	State	1124	14	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 7	Alarm	1124	15	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 7	Pre-Alarm	1125	0	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 7	State	1125	1	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 8	Alarm	1125	2	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 8	Pre-Alarm	1125	3	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 8	State	1125	4	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 9	Alarm	1125	5	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 9	Pre-Alarm	1125	6	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 9	State	1125	7	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 10	Alarm	1125	8	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 10	Pre-Alarm	1125	9	Uint16	2	R	False=0 True=1
CEM 2 Contact Input 10	State	1125	10	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 1	Alarm	1125	11	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 1	Pre-Alarm	1125	12	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 1	State	1125	13	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 2	Alarm	1125	14	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 2	Pre-Alarm	1125	15	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 2	State	1126	0	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 3	Alarm	1126	1	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 3	Pre-Alarm	1126	2	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 3	State	1126	3	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 4	Alarm	1126	4	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 4	Pre-Alarm	1126	5	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 4	State	1126	6	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 5	Alarm	1126	7	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 5	Pre-Alarm	1126	8	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 5	State	1126	9	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 6	Alarm	1126	10	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 6	Pre-Alarm	1126	11	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 6	State	1126	12	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 7	Alarm	1126	13	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 7	Pre-Alarm	1126	14	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 7	State	1126	15	Uint16	2	R	False=0 True=1
CEM 3 Contact Input 8	Alarm	1127	0	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 3 Contact Input 8	Pre-Alarm	1127	1	UInt16	2	R	False=0 True=1
CEM 3 Contact Input 8	State	1127	2	UInt16	2	R	False=0 True=1
CEM 3 Contact Input 9	Alarm	1127	3	UInt16	2	R	False=0 True=1
CEM 3 Contact Input 9	Pre-Alarm	1127	4	UInt16	2	R	False=0 True=1
CEM 3 Contact Input 9	State	1127	5	UInt16	2	R	False=0 True=1
CEM 3 Contact Input 10	Alarm	1127	6	UInt16	2	R	False=0 True=1
CEM 3 Contact Input 10	Pre-Alarm	1127	7	UInt16	2	R	False=0 True=1
CEM 3 Contact Input 10	State	1127	8	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 1	Alarm	1127	9	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 1	Pre-Alarm	1127	10	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 1	State	1127	11	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 2	Alarm	1127	12	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 2	Pre-Alarm	1127	13	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 2	State	1127	14	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 3	Alarm	1127	15	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 3	Pre-Alarm	1128	0	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 3	State	1128	1	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 4	Alarm	1128	2	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 4	Pre-Alarm	1128	3	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 4	State	1128	4	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 5	Alarm	1128	5	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 5	Pre-Alarm	1128	6	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 5	State	1128	7	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 6	Alarm	1128	8	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 6	Pre-Alarm	1128	9	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 6	State	1128	10	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 7	Alarm	1128	11	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 7	Pre-Alarm	1128	12	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 7	State	1128	13	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 8	Alarm	1128	14	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 8	Pre-Alarm	1128	15	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 8	State	1129	0	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 9	Alarm	1129	1	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 9	Pre-Alarm	1129	2	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 9	State	1129	3	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 10	Alarm	1129	4	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 10	Pre-Alarm	1129	5	UInt16	2	R	False=0 True=1
CEM 4 Contact Input 10	State	1129	6	UInt16	2	R	False=0 True=1
LCR Outputs	Output 1	1129	7	UInt16	2	R	False=0 True=1
LCR Outputs	Output 2	1129	8	UInt16	2	R	False=0 True=1
LCR Outputs	Output 3	1129	9	UInt16	2	R	False=0 True=1
LCR Outputs	Output 4	1129	10	UInt16	2	R	False=0 True=1
LCR Outputs	Output 5	1129	11	UInt16	2	R	False=0 True=1
LCR Outputs	Output 6	1129	12	UInt16	2	R	False=0 True=1
LCR Outputs	Output 7	1129	13	UInt16	2	R	False=0 True=1
LCR Outputs	Output 8	1129	14	UInt16	2	R	False=0 True=1
LCR Outputs	Output 9	1129	15	UInt16	2	R	False=0 True=1
LCR Outputs	Output 10	1130	0	UInt16	2	R	False=0 True=1
LCR Outputs	Output 11	1130	1	UInt16	2	R	False=0 True=1
LCR Outputs	Output 12	1130	2	UInt16	2	R	False=0 True=1
LCR Outputs	Output 13	1130	3	UInt16	2	R	False=0 True=1
LCR Outputs	Output 14	1130	4	UInt16	2	R	False=0 True=1
LCR Outputs	Output 15	1130	5	UInt16	2	R	False=0 True=1
LCR Outputs	Output 16	1130	6	UInt16	2	R	False=0 True=1
Analog Input 1 Configuration	Analog Input Out-of-Range	1130	7	UInt16	2	R	False=0 True=1
Analog Input 1 Configuration	Analog Input Out-of-Range Pre-Alarm	1130	8	UInt16	2	R	False=0 True=1
Analog Input 1 Configuration	Analog Input Out-of-Range Alarm	1130	9	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 1 Trip	1130	10	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 1 Pre-Alarm	1130	11	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 1 Alarm	1130	12	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 2 Trip	1130	13	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 2 Pre-Alarm	1130	14	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 2 Alarm	1130	15	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 3 Trip	1131	0	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 3 Pre-Alarm	1131	1	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 3 Alarm	1131	2	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 4 Trip	1131	3	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 4 Pre-Alarm	1131	4	UInt16	2	R	False=0 True=1
Analog Input 1 Protection	Threshold 4 Alarm	1131	5	UInt16	2	R	False=0 True=1
Analog Input 2 Configuration	Analog Input Out-of-Range	1131	6	UInt16	2	R	False=0 True=1
Analog Input 2 Configuration	Analog Input Out-of-Range Pre-Alarm	1131	7	UInt16	2	R	False=0 True=1
Analog Input 2 Configuration	Analog Input Out-of-Range Alarm	1131	8	UInt16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 1 Trip	1131	9	UInt16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 1 Pre-Alarm	1131	10	UInt16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 1 Alarm	1131	11	UInt16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 2 Trip	1131	12	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Analog Input 2 Protection	Threshold 2 Pre-Alarm	1131	13	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 2 Alarm	1131	14	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 3 Trip	1131	15	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 3 Pre-Alarm	1132	0	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 3 Alarm	1132	1	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 4 Trip	1132	2	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 4 Pre-Alarm	1132	3	Uint16	2	R	False=0 True=1
Analog Input 2 Protection	Threshold 4 Alarm	1132	4	Uint16	2	R	False=0 True=1
Analog Input 3 Configuration	Analog Input Out-of-Range	1132	5	Uint16	2	R	False=0 True=1
Analog Input 3 Configuration	Analog Input Out-of-Range Pre-Alarm	1132	6	Uint16	2	R	False=0 True=1
Analog Input 3 Configuration	Analog Input Out-of-Range Alarm	1132	7	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 1 Trip	1132	8	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 1 Pre-Alarm	1132	9	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 1 Alarm	1132	10	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 2 Trip	1132	11	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 2 Pre-Alarm	1132	12	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 2 Alarm	1132	13	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 3 Trip	1132	14	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 3 Pre-Alarm	1132	15	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 3 Alarm	1133	0	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 4 Trip	1133	1	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 4 Pre-Alarm	1133	2	Uint16	2	R	False=0 True=1
Analog Input 3 Protection	Threshold 4 Alarm	1133	3	Uint16	2	R	False=0 True=1
Analog Input 4 Configuration	Analog Input Out-of-Range	1133	4	Uint16	2	R	False=0 True=1
Analog Input 4 Configuration	Analog Input Out-of-Range Pre-Alarm	1133	5	Uint16	2	R	False=0 True=1
Analog Input 4 Configuration	Analog Input Out-of-Range Alarm	1133	6	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 1 Trip	1133	7	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 1 Pre-Alarm	1133	8	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 1 Alarm	1133	9	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 2 Trip	1133	10	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 2 Pre-Alarm	1133	11	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 2 Alarm	1133	12	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 3 Trip	1133	13	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 3 Pre-Alarm	1133	14	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 3 Alarm	1133	15	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 4 Trip	1134	0	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 4 Pre-Alarm	1134	1	Uint16	2	R	False=0 True=1
Analog Input 4 Protection	Threshold 4 Alarm	1134	2	Uint16	2	R	False=0 True=1
AVR Output	Out-of-Range	1134	3	Uint16	2	R	False=0 True=1
AVR Output	Out-of-Range Pre-Alarm	1134	4	Uint16	2	R	False=0 True=1
AVR Output	Out-of-Range Alarm	1134	5	Uint16	2	R	False=0 True=1
GOV Output	Out-of-Range	1134	6	Uint16	2	R	False=0 True=1
GOV Output	Out-of-Range Pre-Alarm	1134	7	Uint16	2	R	False=0 True=1
GOV Output	Out-of-Range Alarm	1134	8	Uint16	2	R	False=0 True=1
LS Output	Out-of-Range	1134	9	Uint16	2	R	False=0 True=1
LS Output	Out-of-Range Pre-Alarm	1134	10	Uint16	2	R	False=0 True=1
LS Output	Out-of-Range Alarm	1134	11	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Return Fail	1134	12	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Load Unstable	1134	13	Uint16	2	R	False=0 True=1
Genset Controller	Emergency Stop Alarm	1134	14	Uint16	2	R	False=0 True=1
87N	Block	1134	15	Uint16	2	R	False=0 True=1
87N	Pickup	1135	0	Uint16	2	R	False=0 True=1
87N	Trip	1135	1	Uint16	2	R	False=0 True=1
87N	Pre-Alarm	1135	2	Uint16	2	R	False=0 True=1
87N	Alarm	1135	3	Uint16	2	R	False=0 True=1
87G	Block	1135	4	Uint16	2	R	False=0 True=1
87G	Pickup	1135	5	Uint16	2	R	False=0 True=1
87G	Trip	1135	6	Uint16	2	R	False=0 True=1
87G	Trip A	1135	7	Uint16	2	R	False=0 True=1
87G	Trip B	1135	8	Uint16	2	R	False=0 True=1
87G	Trip C	1135	9	Uint16	2	R	False=0 True=1
87G	Unrestrained Trip	1135	10	Uint16	2	R	False=0 True=1
87G	Transient Monitor	1135	11	Uint16	2	R	False=0 True=1
87G	Unrestrained Trip A	1135	12	Uint16	2	R	False=0 True=1
87G	Unrestrained Trip B	1135	13	Uint16	2	R	False=0 True=1
87G	Unrestrained Trip C	1135	14	Uint16	2	R	False=0 True=1
87G	Alert A	1135	15	Uint16	2	R	False=0 True=1
87G	Alert B	1136	0	Uint16	2	R	False=0 True=1
87G	Alert C	1136	1	Uint16	2	R	False=0 True=1
87G	87 Alert	1136	2	Uint16	2	R	False=0 True=1
87G	2 nd Harmonic Inhibit	1136	3	Uint16	2	R	False=0 True=1
87G	5 th Harmonic Inhibit	1136	4	Uint16	2	R	False=0 True=1
87G	Pre-Alarm	1136	5	Uint16	2	R	False=0 True=1
87G	Alarm	1136	6	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
46-1 (1-phase)	Block	1136	7	UInt16	2	R	False=0 True=1
46-1 (1-phase)	Pickup	1136	8	UInt16	2	R	False=0 True=1
46-1 (1-phase)	Trip 1 Phase	1136	9	UInt16	2	R	False=0 True=1
46-1 (1-phase)	Pre-Alarm	1136	10	UInt16	2	R	False=0 True=1
46-1 (1-phase)	Alarm	1136	11	UInt16	2	R	False=0 True=1
46-2 (1-phase)	Block	1136	12	UInt16	2	R	False=0 True=1
46-2 (1-phase)	Pickup	1136	13	UInt16	2	R	False=0 True=1
46-2 (1-phase)	Trip 1 Phase	1136	14	UInt16	2	R	False=0 True=1
46-2 (1-phase)	Pre-Alarm	1136	15	UInt16	2	R	False=0 True=1
46-2 (1-phase)	Alarm	1137	0	UInt16	2	R	False=0 True=1
46-3 (1-phase)	Block	1137	1	UInt16	2	R	False=0 True=1
46-3 (1-phase)	Pickup	1137	2	UInt16	2	R	False=0 True=1
46-3 (1-phase)	Trip 1 Phase	1137	3	UInt16	2	R	False=0 True=1
46-3 (1-phase)	Pre-Alarm	1137	4	UInt16	2	R	False=0 True=1
46-3 (1-phase)	Alarm	1137	5	UInt16	2	R	False=0 True=1
46-4 (1-phase)	Block	1137	6	UInt16	2	R	False=0 True=1
46-4 (1-phase)	Pickup	1137	7	UInt16	2	R	False=0 True=1
46-4 (1-phase)	Trip 1 Phase	1137	8	UInt16	2	R	False=0 True=1
46-4 (1-phase)	Pre-Alarm	1137	9	UInt16	2	R	False=0 True=1
46-4 (1-phase)	Alarm	1137	10	UInt16	2	R	False=0 True=1
46-5 (1-phase)	Block	1137	11	UInt16	2	R	False=0 True=1
46-5 (1-phase)	Pickup	1137	12	UInt16	2	R	False=0 True=1
46-5 (1-phase)	Trip 1 Phase	1137	13	UInt16	2	R	False=0 True=1
46-5 (1-phase)	Pre-Alarm	1137	14	UInt16	2	R	False=0 True=1
46-5 (1-phase)	Alarm	1137	15	UInt16	2	R	False=0 True=1
46-6 (1-phase)	Block	1138	0	UInt16	2	R	False=0 True=1
46-6 (1-phase)	Pickup	1138	1	UInt16	2	R	False=0 True=1
46-6 (1-phase)	Trip 1 Phase	1138	2	UInt16	2	R	False=0 True=1
46-6 (1-phase)	Pre-Alarm	1138	3	UInt16	2	R	False=0 True=1
46-6 (1-phase)	Alarm	1138	4	UInt16	2	R	False=0 True=1
46-1 (3-phase)	Block	1138	5	UInt16	2	R	False=0 True=1
46-1 (3-phase)	Pickup	1138	6	UInt16	2	R	False=0 True=1
46-1 (3-phase)	Trip 3 Phase	1138	7	UInt16	2	R	False=0 True=1
46-1 (3-phase)	Pre-Alarm	1138	8	UInt16	2	R	False=0 True=1
46-1 (3-phase)	Alarm	1138	9	UInt16	2	R	False=0 True=1
46-2 (3-phase)	Block	1138	10	UInt16	2	R	False=0 True=1
46-2 (3-phase)	Pickup	1138	11	UInt16	2	R	False=0 True=1
46-2 (3-phase)	Trip 3 Phase	1138	12	UInt16	2	R	False=0 True=1
46-2 (3-phase)	Pre-Alarm	1138	13	UInt16	2	R	False=0 True=1
46-2 (3-phase)	Alarm	1138	14	UInt16	2	R	False=0 True=1
46-3 (3-phase)	Block	1138	15	UInt16	2	R	False=0 True=1
46-3 (3-phase)	Pickup	1139	0	UInt16	2	R	False=0 True=1
46-3 (3-phase)	Trip 3 Phase	1139	1	UInt16	2	R	False=0 True=1
46-3 (3-phase)	Pre-Alarm	1139	2	UInt16	2	R	False=0 True=1
46-3 (3-phase)	Alarm	1139	3	UInt16	2	R	False=0 True=1
46-4 (3-phase)	Block	1139	4	UInt16	2	R	False=0 True=1
46-4 (3-phase)	Pickup	1139	5	UInt16	2	R	False=0 True=1
46-4 (3-phase)	Trip 3 Phase	1139	6	UInt16	2	R	False=0 True=1
46-4 (3-phase)	Pre-Alarm	1139	7	UInt16	2	R	False=0 True=1
46-4 (3-phase)	Alarm	1139	8	UInt16	2	R	False=0 True=1
46-5 (3-phase)	Block	1139	9	UInt16	2	R	False=0 True=1
46-5 (3-phase)	Pickup	1139	10	UInt16	2	R	False=0 True=1
46-5 (3-phase)	Trip 3 Phase	1139	11	UInt16	2	R	False=0 True=1
46-5 (3-phase)	Pre-Alarm	1139	12	UInt16	2	R	False=0 True=1
46-5 (3-phase)	Alarm	1139	13	UInt16	2	R	False=0 True=1
46-6 (3-phase)	Block	1139	14	UInt16	2	R	False=0 True=1
46-6 (3-phase)	Pickup	1139	15	UInt16	2	R	False=0 True=1
46-6 (3-phase)	Trip 3 Phase	1140	0	UInt16	2	R	False=0 True=1
46-6 (3-phase)	Pre-Alarm	1140	1	UInt16	2	R	False=0 True=1
46-6 (3-phase)	Alarm	1140	2	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 1 Trip	1140	3	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 1 Pre-Alarm	1140	4	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 1 Alarm	1140	5	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 2 Trip	1140	6	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 2 Pre-Alarm	1140	7	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 2 Alarm	1140	8	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 3 Trip	1140	9	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 3 Pre-Alarm	1140	10	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 3 Alarm	1140	11	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 4 Trip	1140	12	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 4 Pre-Alarm	1140	13	UInt16	2	R	False=0 True=1
Configurable Protection 9	Configurable Protection Threshold 4 Alarm	1140	14	UInt16	2	R	False=0 True=1
Configurable Protection 10	Configurable Protection Threshold 1 Trip	1140	15	UInt16	2	R	False=0 True=1
Configurable Protection 10	Configurable Protection Threshold 1 Pre-Alarm	1141	0	UInt16	2	R	False=0 True=1
Configurable Protection 10	Configurable Protection Threshold 1 Alarm	1141	1	UInt16	2	R	False=0 True=1
Configurable Protection 10	Configurable Protection Threshold 2 Trip	1141	2	UInt16	2	R	False=0 True=1

DGC-2020HD Modbus® Protocol Binary Points Register Table

DGC-2020HD Modbus® Protocol

DGC-2020HD Modbus® Protocol Binary Points Register Table

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Configurable Protection 29	Configurable Protection Threshold 2 Pre-Alarm	1155	7	Uint16	2	R	False=0 True=1
Configurable Protection 29	Configurable Protection Threshold 2 Alarm	1155	8	Uint16	2	R	False=0 True=1
Configurable Protection 29	Configurable Protection Threshold 3 Trip	1155	9	Uint16	2	R	False=0 True=1
Configurable Protection 29	Configurable Protection Threshold 3 Pre-Alarm	1155	10	Uint16	2	R	False=0 True=1
Configurable Protection 29	Configurable Protection Threshold 3 Alarm	1155	11	Uint16	2	R	False=0 True=1
Configurable Protection 29	Configurable Protection Threshold 4 Trip	1155	12	Uint16	2	R	False=0 True=1
Configurable Protection 29	Configurable Protection Threshold 4 Pre-Alarm	1155	13	Uint16	2	R	False=0 True=1
Configurable Protection 29	Configurable Protection Threshold 4 Alarm	1155	14	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 1 Trip	1155	15	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 1 Pre-Alarm	1156	0	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 1 Alarm	1156	1	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 2 Trip	1156	2	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 2 Pre-Alarm	1156	3	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 2 Alarm	1156	4	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 3 Trip	1156	5	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 3 Pre-Alarm	1156	6	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 3 Alarm	1156	7	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 4 Trip	1156	8	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 4 Pre-Alarm	1156	9	Uint16	2	R	False=0 True=1
Configurable Protection 30	Configurable Protection Threshold 4 Alarm	1156	10	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 1 Trip	1156	11	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 1 Pre-Alarm	1156	12	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 1 Alarm	1156	13	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 2 Trip	1156	14	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 2 Pre-Alarm	1156	15	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 2 Alarm	1157	0	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 3 Trip	1157	1	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 3 Pre-Alarm	1157	2	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 3 Alarm	1157	3	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 4 Trip	1157	4	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 4 Pre-Alarm	1157	5	Uint16	2	R	False=0 True=1
Configurable Protection 31	Configurable Protection Threshold 4 Alarm	1157	6	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 1 Trip	1157	7	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 1 Pre-Alarm	1157	8	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 1 Alarm	1157	9	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 2 Trip	1157	10	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 2 Pre-Alarm	1157	11	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 2 Alarm	1157	12	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 3 Trip	1157	13	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 3 Pre-Alarm	1157	14	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 3 Alarm	1157	15	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 4 Trip	1158	0	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 4 Pre-Alarm	1158	1	Uint16	2	R	False=0 True=1
Configurable Protection 32	Configurable Protection Threshold 4 Alarm	1158	2	Uint16	2	R	False=0 True=1
Genset Controller	Global Soft Alarm	1158	3	Uint16	2	R	False=0 True=1
Genset Controller	Parallel to Mains Detected	1158	4	Uint16	2	R	False=0 True=1
ECU Config	DPF Lamp Command	1158	5	Uint16	2	R	False=0 True=1
ECU Config	DEF Warning	1158	6	Uint16	2	R	False=0 True=1
ECU Config	DEF Warning Level 2	1158	7	Uint16	2	R	False=0 True=1
Gen Breaker	OK to Close	1158	8	Uint16	2	R	False=0 True=1
Gen Breaker	Configured	1158	9	Uint16	2	R	False=0 True=1
Gen Breaker	Fail to Close Status	1158	10	Uint16	2	R	False=0 True=1
Gen Breaker	Fail to Open Status	1158	11	Uint16	2	R	False=0 True=1
Gen Breaker	Open Setpoint Reached	1158	12	Uint16	2	R	False=0 True=1
Mains Breaker	OK to Close	1158	13	Uint16	2	R	False=0 True=1
Mains Breaker	Configured	1158	14	Uint16	2	R	False=0 True=1
Mains Breaker	Fail to Close Status	1158	15	Uint16	2	R	False=0 True=1
Mains Breaker	Fail to Open Status	1159	0	Uint16	2	R	False=0 True=1
Mains Breaker	Open Setpoint Reached	1159	1	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Group Breaker Capacity Reached	1159	2	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Group Breaker Capacity Fail	1159	3	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Mains Fail Transfer Fail Pre-Alarm	1159	4	Uint16	2	R	False=0 True=1
Group Breaker	Breaker Status	1159	5	Uint16	2	R	False=0 True=1
Group Breaker	Sync Fail	1159	6	Uint16	2	R	False=0 True=1
Group Breaker	Fail to Close	1159	7	Uint16	2	R	False=0 True=1
Group Breaker	Fail to Open	1159	8	Uint16	2	R	False=0 True=1
Group Breaker	OK to Close	1159	9	Uint16	2	R	False=0 True=1
Group Breaker	Configured	1159	10	Uint16	2	R	False=0 True=1
Group Breaker	Fail to Close Status	1159	11	Uint16	2	R	False=0 True=1
Group Breaker	Fail to Open Status	1159	12	Uint16	2	R	False=0 True=1
Group Breaker	Open Setpoint Reached	1159	13	Uint16	2	R	False=0 True=1
Tie Breaker	Breaker Status	1159	14	Uint16	2	R	False=0 True=1
Tie Breaker	Sync Fail	1159	15	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Tie Breaker	Fail to Close	1160	0	Uint16	2	R	False=0 True=1
Tie Breaker	Fail to Open	1160	1	Uint16	2	R	False=0 True=1
Tie Breaker	OK to Close	1160	2	Uint16	2	R	False=0 True=1
Tie Breaker	Configured	1160	3	Uint16	2	R	False=0 True=1
Tie Breaker	Fail to Close Status	1160	4	Uint16	2	R	False=0 True=1
Tie Breaker	Fail to Open Status	1160	5	Uint16	2	R	False=0 True=1
Tie Breaker	Open Setpoint Reached	1160	6	Uint16	2	R	False=0 True=1
Bias Control	Mains Controller Missing Pre-Alarm	1160	7	Uint16	2	R	False=0 True=1
Generator Connection	Reverse Rotation Pre-Alarm	1160	8	Uint16	2	R	False=0 True=1
Bus 1 Connection	Reverse Rotation Pre-Alarm	1160	9	Uint16	2	R	False=0 True=1
Bus 2 Connection	Reverse Rotation Pre-Alarm	1160	10	Uint16	2	R	False=0 True=1
Breaker Table Handler	Missing System Comp	1160	11	Uint16	2	R	False=0 True=1
Breaker Table Handler	Segment Unreachable	1160	12	Uint16	2	R	False=0 True=1
Breaker Table Handler	Critical Breaker Missing	1160	13	Uint16	2	R	False=0 True=1
Breaker Table Handler	Breaker Control Granted	1160	14	Uint16	2	R	False=0 True=1
Breaker Table Handler	Breaker Control Grant Fail	1160	15	Uint16	2	R	False=0 True=1
Alarms	ARP Ping Fail	1161	0	Uint16	2	R	False=0 True=1
ECU Config	DEF Quality Poor	1161	1	Uint16	2	R	False=0 True=1
ECU Config	DEF Consumption Incorrect	1161	2	Uint16	2	R	False=0 True=1
ECU Config	DEF Tampering	1161	3	Uint16	2	R	False=0 True=1
Tie Breaker 2	Breaker Status	1161	4	Uint16	2	R	False=0 True=1
Tie Breaker 2	Sync Fail	1161	5	Uint16	2	R	False=0 True=1
Tie Breaker 2	Fail to Close	1161	6	Uint16	2	R	False=0 True=1
Tie Breaker 2	Fail to Open	1161	7	Uint16	2	R	False=0 True=1
Tie Breaker 2	OK to Close	1161	8	Uint16	2	R	False=0 True=1
Tie Breaker 2	Configured	1161	9	Uint16	2	R	False=0 True=1
Tie Breaker 2	Fail to Close Status	1161	10	Uint16	2	R	False=0 True=1
Tie Breaker 2	Fail to Open Status	1161	11	Uint16	2	R	False=0 True=1
Tie Breaker 2	Open Setpoint Reached	1161	12	Uint16	2	R	False=0 True=1
LCR Outputs	Output 17	1161	13	Uint16	2	R	False=0 True=1
LCR Outputs	Output 18	1161	14	Uint16	2	R	False=0 True=1
LCR Outputs	Output 19	1161	15	Uint16	2	R	False=0 True=1
LCR Outputs	Output 20	1162	0	Uint16	2	R	False=0 True=1
LCR Outputs	Output 21	1162	1	Uint16	2	R	False=0 True=1
LCR Outputs	Output 22	1162	2	Uint16	2	R	False=0 True=1
LCR Outputs	Output 23	1162	3	Uint16	2	R	False=0 True=1
LCR Outputs	Output 24	1162	4	Uint16	2	R	False=0 True=1
LCR Outputs	Output 25	1162	5	Uint16	2	R	False=0 True=1
LCR Outputs	Output 26	1162	6	Uint16	2	R	False=0 True=1
LCR Outputs	Output 27	1162	7	Uint16	2	R	False=0 True=1
LCR Outputs	Output 28	1162	8	Uint16	2	R	False=0 True=1
LCR Outputs	Output 29	1162	9	Uint16	2	R	False=0 True=1
LCR Outputs	Output 30	1162	10	Uint16	2	R	False=0 True=1
LCR Outputs	Output 31	1162	11	Uint16	2	R	False=0 True=1
LCR Outputs	Output 32	1162	12	Uint16	2	R	False=0 True=1
LCR Outputs	Output 33	1162	13	Uint16	2	R	False=0 True=1
LCR Outputs	Output 34	1162	14	Uint16	2	R	False=0 True=1
LCR Outputs	Output 35	1162	15	Uint16	2	R	False=0 True=1
LCR Outputs	Output 36	1163	0	Uint16	2	R	False=0 True=1
LCR Outputs	Output 37	1163	1	Uint16	2	R	False=0 True=1
LCR Outputs	Output 38	1163	2	Uint16	2	R	False=0 True=1
LCR Outputs	Output 39	1163	3	Uint16	2	R	False=0 True=1
LCR Outputs	Output 40	1163	4	Uint16	2	R	False=0 True=1
LCR Outputs	Output 41	1163	5	Uint16	2	R	False=0 True=1
LCR Outputs	Output 42	1163	6	Uint16	2	R	False=0 True=1
LCR Outputs	Output 43	1163	7	Uint16	2	R	False=0 True=1
LCR Outputs	Output 44	1163	8	Uint16	2	R	False=0 True=1
LCR Outputs	Output 45	1163	9	Uint16	2	R	False=0 True=1
LCR Outputs	Output 46	1163	10	Uint16	2	R	False=0 True=1
LCR Outputs	Output 47	1163	11	Uint16	2	R	False=0 True=1
LCR Outputs	Output 48	1163	12	Uint16	2	R	False=0 True=1
LCR Outputs	Output 49	1163	13	Uint16	2	R	False=0 True=1
LCR Outputs	Output 50	1163	14	Uint16	2	R	False=0 True=1
LCR Outputs	Output 51	1163	15	Uint16	2	R	False=0 True=1
LCR Outputs	Output 52	1164	0	Uint16	2	R	False=0 True=1
LCR Outputs	Output 53	1164	1	Uint16	2	R	False=0 True=1
LCR Outputs	Output 54	1164	2	Uint16	2	R	False=0 True=1
LCR Outputs	Output 55	1164	3	Uint16	2	R	False=0 True=1
LCR Outputs	Output 56	1164	4	Uint16	2	R	False=0 True=1
LCR Outputs	Output 57	1164	5	Uint16	2	R	False=0 True=1
LCR Outputs	Output 58	1164	6	Uint16	2	R	False=0 True=1
LCR Outputs	Output 59	1164	7	Uint16	2	R	False=0 True=1
LCR Outputs	Output 60	1164	8	Uint16	2	R	False=0 True=1
LCR Outputs	Output 61	1164	9	Uint16	2	R	False=0 True=1
LCR Outputs	Output 62	1164	10	Uint16	2	R	False=0 True=1
LCR Outputs	Output 63	1164	11	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
LCR Outputs	Output 64	1164	12	Uint16	2	R	False=0 True=1
Loss of Sensing	Block	1164	13	Uint16	2	R	False=0 True=1
Loss of Sensing	Pickup	1164	14	Uint16	2	R	False=0 True=1
Loss of Sensing	Trip	1164	15	Uint16	2	R	False=0 True=1
Loss of Sensing	Pre-alarm	1165	0	Uint16	2	R	False=0 True=1
Loss of Sensing	Alarm	1165	1	Uint16	2	R	False=0 True=1
EDM	Block	1165	2	Uint16	2	R	False=0 True=1
EDM	Pickup	1165	3	Uint16	2	R	False=0 True=1
EDM	Trip	1165	4	Uint16	2	R	False=0 True=1
EDM	Pre-alarm	1165	5	Uint16	2	R	False=0 True=1
EDM	Alarm	1165	6	Uint16	2	R	False=0 True=1
Field Overvoltage	Block	1165	7	Uint16	2	R	False=0 True=1
Field Overvoltage	Pickup	1165	8	Uint16	2	R	False=0 True=1
Field Overvoltage	Trip	1165	9	Uint16	2	R	False=0 True=1
Field Overvoltage	Pre-alarm	1165	10	Uint16	2	R	False=0 True=1
Field Overvoltage	Alarm	1165	11	Uint16	2	R	False=0 True=1
VRM	Connected	1165	12	Uint16	2	R	False=0 True=1
VRM	Comms Failure	1165	13	Uint16	2	R	False=0 True=1
VRM	RTD Input 1 Out of Range	1165	14	Uint16	2	R	False=0 True=1
VRM	RTD Input 1 Out of Range Pre-alarm	1165	15	Uint16	2	R	False=0 True=1
VRM	RTD Input 1 Out of Range Alarm	1166	0	Uint16	2	R	False=0 True=1
VRM	RTD Input 2 Out of Range	1166	1	Uint16	2	R	False=0 True=1
VRM	RTD Input 2 Out of Range Pre-alarm	1166	2	Uint16	2	R	False=0 True=1
VRM	RTD Input 2 Out of Range Alarm	1166	3	Uint16	2	R	False=0 True=1
VRM	RTD Input 3 Out of Range	1166	4	Uint16	2	R	False=0 True=1
VRM	RTD Input 3 Out of Range Pre-alarm	1166	5	Uint16	2	R	False=0 True=1
VRM	RTD Input 3 Out of Range Alarm	1166	6	Uint16	2	R	False=0 True=1
VRM	RTD Input 4 Out of Range	1166	7	Uint16	2	R	False=0 True=1
VRM	RTD Input 4 Out of Range Pre-alarm	1166	8	Uint16	2	R	False=0 True=1
VRM	RTD Input 4 Out of Range Alarm	1166	9	Uint16	2	R	False=0 True=1
VRM	RTD Input 5 Out of Range	1166	10	Uint16	2	R	False=0 True=1
VRM	RTD Input 5 Out of Range Pre-alarm	1166	11	Uint16	2	R	False=0 True=1
VRM	RTD Input 5 Out of Range Alarm	1166	12	Uint16	2	R	False=0 True=1
VRM	RTD Input 6 Out of Range	1166	13	Uint16	2	R	False=0 True=1
VRM	RTD Input 6 Out of Range Pre-alarm	1166	14	Uint16	2	R	False=0 True=1
VRM	RTD Input 6 Out of Range Alarm	1166	15	Uint16	2	R	False=0 True=1
VRM	RTD Input 7 Out of Range	1167	0	Uint16	2	R	False=0 True=1
VRM	RTD Input 7 Out of Range Pre-alarm	1167	1	Uint16	2	R	False=0 True=1
VRM	RTD Input 7 Out of Range Alarm	1167	2	Uint16	2	R	False=0 True=1
VRM	RTD Input 8 Out of Range	1167	3	Uint16	2	R	False=0 True=1
VRM	RTD Input 8 Out of Range Pre-alarm	1167	4	Uint16	2	R	False=0 True=1
VRM	RTD Input 8 Out of Range Alarm	1167	5	Uint16	2	R	False=0 True=1
VRM	Microprocessor Reset Alarm	1167	6	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 1 Trip	1167	7	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 1 Pre-alarm	1167	8	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 1 Alarm	1167	9	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 2 Trip	1167	10	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 2 Pre-alarm	1167	11	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 2 Alarm	1167	12	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 3 Trip	1167	13	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 3 Pre-alarm	1167	14	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 3 Alarm	1167	15	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 4 Trip	1168	0	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 4 Pre-alarm	1168	1	Uint16	2	R	False=0 True=1
VRM	RTD Protection 1, Threshold 4 Alarm	1168	2	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 1 Trip	1168	3	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 1 Pre-alarm	1168	4	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 1 Alarm	1168	5	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 2 Trip	1168	6	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 2 Pre-alarm	1168	7	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 2 Alarm	1168	8	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 3 Trip	1168	9	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 3 Pre-alarm	1168	10	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 3 Alarm	1168	11	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 4 Trip	1168	12	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 4 Pre-alarm	1168	13	Uint16	2	R	False=0 True=1
VRM	RTD Protection 2, Threshold 4 Alarm	1168	14	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 1 Trip	1168	15	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 1 Pre-alarm	1169	0	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 1 Alarm	1169	1	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 2 Trip	1169	2	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 2 Pre-alarm	1169	3	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 2 Alarm	1169	4	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 3 Trip	1169	5	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 3 Pre-alarm	1169	6	Uint16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 3 Alarm	1169	7	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
VRM	RTD Protection 3, Threshold 4 Trip	1169	8	UInt16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 4 Pre-alarm	1169	9	UInt16	2	R	False=0 True=1
VRM	RTD Protection 3, Threshold 4 Alarm	1169	10	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 1 Trip	1169	11	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 1 Pre-alarm	1169	12	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 1 Alarm	1169	13	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 2 Trip	1169	14	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 2 Pre-alarm	1169	15	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 2 Alarm	1170	0	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 3 Trip	1170	1	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 3 Pre-alarm	1170	2	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 3 Alarm	1170	3	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 4 Trip	1170	4	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 4 Pre-alarm	1170	5	UInt16	2	R	False=0 True=1
VRM	RTD Protection 4, Threshold 4 Alarm	1170	6	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 1 Trip	1170	7	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 1 Pre-alarm	1170	8	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 1 Alarm	1170	9	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 2 Trip	1170	10	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 2 Pre-alarm	1170	11	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 2 Alarm	1170	12	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 3 Trip	1170	13	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 3 Pre-alarm	1170	14	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 3 Alarm	1170	15	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 4 Trip	1171	0	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 4 Pre-alarm	1171	1	UInt16	2	R	False=0 True=1
VRM	RTD Protection 5, Threshold 4 Alarm	1171	2	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 1 Trip	1171	3	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 1 Pre-alarm	1171	4	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 1 Alarm	1171	5	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 2 Trip	1171	6	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 2 Pre-alarm	1171	7	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 2 Alarm	1171	8	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 3 Trip	1171	9	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 3 Pre-alarm	1171	10	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 3 Alarm	1171	11	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 4 Trip	1171	12	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 4 Pre-alarm	1171	13	UInt16	2	R	False=0 True=1
VRM	RTD Protection 6, Threshold 4 Alarm	1171	14	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 1 Trip	1171	15	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 1 Pre-alarm	1172	0	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 1 Alarm	1172	1	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 2 Trip	1172	2	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 2 Pre-alarm	1172	3	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 2 Alarm	1172	4	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 3 Trip	1172	5	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 3 Pre-alarm	1172	6	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 3 Alarm	1172	7	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 4 Trip	1172	8	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 4 Pre-alarm	1172	9	UInt16	2	R	False=0 True=1
VRM	RTD Protection 7, Threshold 4 Alarm	1172	10	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 1 Trip	1172	11	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 1 Pre-alarm	1172	12	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 1 Alarm	1172	13	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 2 Trip	1172	14	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 2 Pre-alarm	1172	15	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 2 Alarm	1173	0	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 3 Trip	1173	1	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 3 Pre-alarm	1173	2	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 3 Alarm	1173	3	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 4 Trip	1173	4	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 4 Pre-alarm	1173	5	UInt16	2	R	False=0 True=1
VRM	RTD Protection 8, Threshold 4 Alarm	1173	6	UInt16	2	R	False=0 True=1
Genset Controller	Engine Running	1173	7	UInt16	2	R	False=0 True=1
ECU Config	DEF Severe Inducement Alarm	1173	8	UInt16	2	R	False=0 True=1
VRM Controller Settings	OEL Disable	1173	9	UInt16	2	R	False=0 True=1
VRM Controller Settings	OEL Online	1173	10	UInt16	2	R	False=0 True=1
VRM Controller Settings	OEL Disabled in Manual Mode	1173	11	UInt16	2	R	False=0 True=1
VRM Controller Settings	UEL Disable	1173	12	UInt16	2	R	False=0 True=1
VRM Controller Settings	UEL Disabled in Manual Mode	1173	13	UInt16	2	R	False=0 True=1
VRM Controller Settings	Droop Disable	1173	14	UInt16	2	R	False=0 True=1
VRM Controller Settings	Line Drop Disable	1173	15	UInt16	2	R	False=0 True=1
VRM Controller Settings	Internal Tracking Disable	1174	0	UInt16	2	R	False=0 True=1
VRM Controller Settings	AVR Raise	1174	1	UInt16	2	R	False=0 True=1
VRM Controller Settings	AVR Lower	1174	2	UInt16	2	R	False=0 True=1
VRM Controller Settings	AVR Pre-position 1 Enable	1174	3	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
VRM Controller Settings	AVR Pre-position 2 Enable	1174	4	UInt16	2	R	False=0 True=1
VRM Controller Settings	AVR Pre-position 3 Enable	1174	5	UInt16	2	R	False=0 True=1
VRM Controller Settings	AVR Pre-position 4 Enable	1174	6	UInt16	2	R	False=0 True=1
VRM Controller Settings	AVR Pre-position 5 Enable	1174	7	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Raise	1174	8	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Lower	1174	9	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Pre-position 1 Enable	1174	10	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Pre-position 2 Enable	1174	11	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Pre-position 3 Enable	1174	12	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Pre-position 4 Enable	1174	13	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Pre-position 5 Enable	1174	14	UInt16	2	R	False=0 True=1
VRM Controller Settings	OEL Active	1174	15	UInt16	2	R	False=0 True=1
VRM Controller Settings	UEL Active	1175	0	UInt16	2	R	False=0 True=1
VRM Controller Settings	Underfrequency Active	1175	1	UInt16	2	R	False=0 True=1
VRM Controller Settings	Setpoint Upper Limit	1175	2	UInt16	2	R	False=0 True=1
VRM Controller Settings	Setpoint Lower Limit	1175	3	UInt16	2	R	False=0 True=1
VRM Controller Settings	Pre-position 1 Active	1175	4	UInt16	2	R	False=0 True=1
VRM Controller Settings	Pre-position 2 Active	1175	5	UInt16	2	R	False=0 True=1
VRM Controller Settings	Pre-position 3 Active	1175	6	UInt16	2	R	False=0 True=1
VRM Controller Settings	Pre-position 4 Active	1175	7	UInt16	2	R	False=0 True=1
VRM Controller Settings	Pre-position 5 Active	1175	8	UInt16	2	R	False=0 True=1
VRM Controller Settings	Soft Start Active	1175	9	UInt16	2	R	False=0 True=1
VRM Controller Settings	Start Regulator	1175	10	UInt16	2	R	False=0 True=1
VRM Controller Settings	Stop Regulator	1175	11	UInt16	2	R	False=0 True=1
VRM Controller Settings	Regulator Started	1175	12	UInt16	2	R	False=0 True=1
VRM Controller Settings	Underfrequency V/Hz Disable	1175	13	UInt16	2	R	False=0 True=1
VRM Controller Settings	Generator Below 10 Hz	1175	14	UInt16	2	R	False=0 True=1
VRM Controller Settings	AVR Enable	1175	15	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Enable	1176	0	UInt16	2	R	False=0 True=1
VRM Controller Settings	Crowbar Activated	1176	1	UInt16	2	R	False=0 True=1
VRM Controller Settings	Fidle Short Circuit Status	1176	2	UInt16	2	R	False=0 True=1
VRM Controller Settings	Generator Below 10 Hz Pre-alarm	1176	3	UInt16	2	R	False=0 True=1
VRM Controller Settings	Null Balance	1176	4	UInt16	2	R	False=0 True=1
VRM Controller Settings	AVR Active	1176	5	UInt16	2	R	False=0 True=1
VRM Controller Settings	FCR Active	1176	6	UInt16	2	R	False=0 True=1
OEL	Alarm	1176	7	UInt16	2	R	False=0 True=1
OEL	Pre-alarm	1176	8	UInt16	2	R	False=0 True=1
UEL	Alarm	1176	9	UInt16	2	R	False=0 True=1
UEL	Pre-alarm	1176	10	UInt16	2	R	False=0 True=1
V/Hz Limit	Alarm	1176	11	UInt16	2	R	False=0 True=1
V/Hz Limit	Pre-alarm	1176	12	UInt16	2	R	False=0 True=1
Load Shedding	LoadAddDemandStart	1176	13	UInt16	2	R	False=0 True=1
Load Shedding	Priority1LoadEnabled	1176	14	UInt16	2	R	False=0 True=1
Load Shedding	Priority2LoadEnabled	1176	15	UInt16	2	R	False=0 True=1
Load Shedding	Priority3LoadEnabled	1177	0	UInt16	2	R	False=0 True=1
Load Shedding	Priority4LoadEnabled	1177	1	UInt16	2	R	False=0 True=1
Load Shedding	Priority5LoadEnabled	1177	2	UInt16	2	R	False=0 True=1
Load Shedding	Priority6LoadEnabled	1177	3	UInt16	2	R	False=0 True=1
Load Shedding	Priority7LoadEnabled	1177	4	UInt16	2	R	False=0 True=1
Load Shedding	Priority8LoadEnabled	1177	5	UInt16	2	R	False=0 True=1
Load Shedding	Priority9LoadEnabled	1177	6	UInt16	2	R	False=0 True=1
Load Shedding	Priority10LoadEnabled	1177	7	UInt16	2	R	False=0 True=1
Load Shedding	Priority11LoadEnabled	1177	8	UInt16	2	R	False=0 True=1
Load Shedding	Priority12LoadEnabled	1177	9	UInt16	2	R	False=0 True=1
Load Shedding	Priority13LoadEnabled	1177	10	UInt16	2	R	False=0 True=1
Load Shedding	Priority14LoadEnabled	1177	11	UInt16	2	R	False=0 True=1
Load Shedding	Priority15LoadEnabled	1177	12	UInt16	2	R	False=0 True=1
Load Shedding	Priority16LoadEnabled	1177	13	UInt16	2	R	False=0 True=1
Load Shedding	Priority17LoadEnabled	1177	14	UInt16	2	R	False=0 True=1
Load Shedding	Priority18LoadEnabled	1177	15	UInt16	2	R	False=0 True=1
Load Shedding	Priority19LoadEnabled	1178	0	UInt16	2	R	False=0 True=1
Load Shedding	Priority20LoadEnabled	1178	1	UInt16	2	R	False=0 True=1
Load Shedding	Priority21LoadEnabled	1178	2	UInt16	2	R	False=0 True=1
Load Shedding	Priority22LoadEnabled	1178	3	UInt16	2	R	False=0 True=1
Load Shedding	Priority23LoadEnabled	1178	4	UInt16	2	R	False=0 True=1
Load Shedding	Priority24LoadEnabled	1178	5	UInt16	2	R	False=0 True=1
Load Shedding	Priority25LoadEnabled	1178	6	UInt16	2	R	False=0 True=1
Load Shedding	Priority26LoadEnabled	1178	7	UInt16	2	R	False=0 True=1
Load Shedding	Priority27LoadEnabled	1178	8	UInt16	2	R	False=0 True=1
Load Shedding	Priority28LoadEnabled	1178	9	UInt16	2	R	False=0 True=1
Load Shedding	Priority29LoadEnabled	1178	10	UInt16	2	R	False=0 True=1
Load Shedding	Priority30LoadEnabled	1178	11	UInt16	2	R	False=0 True=1
Load Shedding	Priority31LoadEnabled	1178	12	UInt16	2	R	False=0 True=1
Load Shedding	Priority32LoadEnabled	1178	13	UInt16	2	R	False=0 True=1
Load Shedding	Priority33LoadEnabled	1178	14	UInt16	2	R	False=0 True=1
Load Shedding	Priority34LoadEnabled	1178	15	UInt16	2	R	False=0 True=1

DGC-2020HD Modbus® Protocol Binary Points Register Table

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Name	Description	Register	Bit	Type	Bytes	R/W	Range
Broadcast Logic	Exactly One Output 119	1212	4	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 120	1212	5	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 121	1212	6	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 122	1212	7	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 123	1212	8	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 124	1212	9	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 125	1212	10	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 126	1212	11	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 127	1212	12	Uint16	2	R	False=0 True=1
Broadcast Logic	Exactly One Output 128	1212	13	Uint16	2	R	False=0 True=1
ECU Config	Torque Limit BP	1212	14	Uint16	2	R	False=0 True=1
ECU Config	Torque Limit Severe BP	1212	15	Uint16	2	R	False=0 True=1
ECU Config	Isuzu SCR Purge Pre-Alarm	1213	0	Uint16	2	R	False=0 True=1
ECU Config	Isuzu SCR Forced Purge Pre-Alarm	1213	1	Uint16	2	R	False=0 True=1
ECU Config	Exhaust System Error Pre-Alarm	1213	2	Uint16	2	R	False=0 True=1
ECU Config	Exhaust System Error Alarm	1213	3	Uint16	2	R	False=0 True=1
ECU Config	DEF Low Severe Alarm	1213	4	Uint16	2	R	False=0 True=1
ECU Config	Escape Mode Pre-Alarm BP	1213	5	Uint16	2	R	False=0 True=1
ECU Config	Isuzu Service Tool Forced Purge Request	1213	6	Uint16	2	R	False=0 True=1
ECU Config	Isuzu Forced Purge Request Pre-Alarm	1213	7	Uint16	2	R	False=0 True=1
ECU Config	Diagnostic Trouble Code Alarm	1213	8	Uint16	2	R	False=0 True=1
ECU Config	Isuzu DEF Low Refill DEF Pre-Alarm	1213	9	Uint16	2	R	False=0 True=1
ECU Config	Isuzu DEF Low Refill DEF Alarm	1213	10	Uint16	2	R	False=0 True=1
Battery Charger 1	Comms Fail Pre-Alarm	1213	11	Uint16	2	R	False=0 True=1
Battery Charger 1	Battery Failure Pre-Alarm	1213	12	Uint16	2	R	False=0 True=1
Battery Charger 1	Fail Pre-Alarm	1213	13	Uint16	2	R	False=0 True=1
Battery Charger 1	AC Off Pre-Alarm	1213	14	Uint16	2	R	False=0 True=1
Battery Charger 1	Thermal Limit Pre-Alarm	1213	15	Uint16	2	R	False=0 True=1
Battery Charger 1	HI Output Volts Pre-Alarm	1214	0	Uint16	2	R	False=0 True=1
Battery Charger 1	LO Output Volts Pre-Alarm	1214	1	Uint16	2	R	False=0 True=1
Battery Charger 1	LO Cranking Volts Pre-Alarm	1214	2	Uint16	2	R	False=0 True=1
Battery Charger 1	Invalid Settings Pre-Alarm	1214	3	Uint16	2	R	False=0 True=1
Battery Charger 1	Single Unit Fail Pre-Alarm	1214	4	Uint16	2	R	False=0 True=1
Battery Charger 2	Comms Fail Pre-Alarm	1214	5	Uint16	2	R	False=0 True=1
Battery Charger 2	Battery Failure Pre-Alarm	1214	6	Uint16	2	R	False=0 True=1
Battery Charger 2	Fail Pre-Alarm	1214	7	Uint16	2	R	False=0 True=1
Battery Charger 2	AC Off Pre-Alarm	1214	8	Uint16	2	R	False=0 True=1
Battery Charger 2	Thermal Limit Pre-Alarm	1214	9	Uint16	2	R	False=0 True=1
Battery Charger 2	HI Output Volts Pre-Alarm	1214	10	Uint16	2	R	False=0 True=1
Battery Charger 2	LO Output Volts Pre-Alarm	1214	11	Uint16	2	R	False=0 True=1
Battery Charger 2	LO Cranking Volts Pre-Alarm	1214	12	Uint16	2	R	False=0 True=1
Battery Charger 2	Invalid Settings Pre-Alarm	1214	13	Uint16	2	R	False=0 True=1
Battery Charger 2	Single Unit Fail Pre-Alarm	1214	14	Uint16	2	R	False=0 True=1
Load Shedding	Priority 1 Load Add	1214	15	Uint16	2	R	False=0 True=1
Load Shedding	Priority 2 Load Add	1215	0	Uint16	2	R	False=0 True=1
Load Shedding	Priority 3 Load Add	1215	1	Uint16	2	R	False=0 True=1
Load Shedding	Priority 4 Load Add	1215	2	Uint16	2	R	False=0 True=1
Load Shedding	Priority 5 Load Add	1215	3	Uint16	2	R	False=0 True=1
Load Shedding	Priority 6 Load Add	1215	4	Uint16	2	R	False=0 True=1
Load Shedding	Priority 7 Load Add	1215	5	Uint16	2	R	False=0 True=1
Load Shedding	Priority 8 Load Add	1215	6	Uint16	2	R	False=0 True=1
Load Shedding	Priority 9 Load Add	1215	7	Uint16	2	R	False=0 True=1
Load Shedding	Priority 10 Load Add	1215	8	Uint16	2	R	False=0 True=1
Load Shedding	Priority 11 Load Add	1215	9	Uint16	2	R	False=0 True=1
Load Shedding	Priority 12 Load Add	1215	10	Uint16	2	R	False=0 True=1
Load Shedding	Priority 13 Load Add	1215	11	Uint16	2	R	False=0 True=1
Load Shedding	Priority 14 Load Add	1215	12	Uint16	2	R	False=0 True=1
Load Shedding	Priority 15 Load Add	1215	13	Uint16	2	R	False=0 True=1
Load Shedding	Priority 16 Load Add	1215	14	Uint16	2	R	False=0 True=1
Load Shedding	Priority 17 Load Add	1215	15	Uint16	2	R	False=0 True=1
Load Shedding	Priority 18 Load Add	1216	0	Uint16	2	R	False=0 True=1
Load Shedding	Priority 19 Load Add	1216	1	Uint16	2	R	False=0 True=1
Load Shedding	Priority 20 Load Add	1216	2	Uint16	2	R	False=0 True=1
Load Shedding	Priority 21 Load Add	1216	3	Uint16	2	R	False=0 True=1
Load Shedding	Priority 22 Load Add	1216	4	Uint16	2	R	False=0 True=1
Load Shedding	Priority 23 Load Add	1216	5	Uint16	2	R	False=0 True=1
Load Shedding	Priority 24 Load Add	1216	6	Uint16	2	R	False=0 True=1
Load Shedding	Priority 25 Load Add	1216	7	Uint16	2	R	False=0 True=1
Load Shedding	Priority 26 Load Add	1216	8	Uint16	2	R	False=0 True=1
Load Shedding	Priority 27 Load Add	1216	9	Uint16	2	R	False=0 True=1
Load Shedding	Priority 28 Load Add	1216	10	Uint16	2	R	False=0 True=1
Load Shedding	Priority 29 Load Add	1216	11	Uint16	2	R	False=0 True=1
Load Shedding	Priority 30 Load Add	1216	12	Uint16	2	R	False=0 True=1
Load Shedding	Priority 31 Load Add	1216	13	Uint16	2	R	False=0 True=1
Load Shedding	Priority 32 Load Add	1216	14	Uint16	2	R	False=0 True=1
Load Shedding	Priority 33 Load Add	1216	15	Uint16	2	R	False=0 True=1

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Name	Description	Register	Bit	Type	Bytes	R/W	Range
Load Shedding	Priority 46 Load Trip	1221	12	Uint16	2	R	False=0 True=1
Load Shedding	Priority 47 Load Trip	1221	13	Uint16	2	R	False=0 True=1
Load Shedding	Priority 48 Load Trip	1221	14	Uint16	2	R	False=0 True=1
Load Shedding	Priority 49 Load Trip	1221	15	Uint16	2	R	False=0 True=1
Load Shedding	Priority 50 Load Trip	1222	0	Uint16	2	R	False=0 True=1
Load Shedding	Priority 51 Load Trip	1222	1	Uint16	2	R	False=0 True=1
Load Shedding	Priority 52 Load Trip	1222	2	Uint16	2	R	False=0 True=1
Load Shedding	Priority 53 Load Trip	1222	3	Uint16	2	R	False=0 True=1
Load Shedding	Priority 54 Load Trip	1222	4	Uint16	2	R	False=0 True=1
Load Shedding	Priority 55 Load Trip	1222	5	Uint16	2	R	False=0 True=1
Load Shedding	Priority 56 Load Trip	1222	6	Uint16	2	R	False=0 True=1
Load Shedding	Priority 57 Load Trip	1222	7	Uint16	2	R	False=0 True=1
Load Shedding	Priority 58 Load Trip	1222	8	Uint16	2	R	False=0 True=1
Load Shedding	Priority 59 Load Trip	1222	9	Uint16	2	R	False=0 True=1
Load Shedding	Priority 60 Load Trip	1222	10	Uint16	2	R	False=0 True=1
Load Shedding	Priority 61 Load Trip	1222	11	Uint16	2	R	False=0 True=1
Load Shedding	Priority 62 Load Trip	1222	12	Uint16	2	R	False=0 True=1
Load Shedding	Priority 63 Load Trip	1222	13	Uint16	2	R	False=0 True=1
Load Shedding	Priority 64 Load Trip	1222	14	Uint16	2	R	False=0 True=1
Config DTC 1	Output	1222	15	Uint16	2	R	False=0 True=1
Config DTC 1	Alarm	1223	0	Uint16	2	R	False=0 True=1
Config DTC 1	Pre-Alarm	1223	1	Uint16	2	R	False=0 True=1
Config DTC 2	Output	1223	2	Uint16	2	R	False=0 True=1
Config DTC 2	Alarm	1223	3	Uint16	2	R	False=0 True=1
Config DTC 2	Pre-Alarm	1223	4	Uint16	2	R	False=0 True=1
Config DTC 3	Output	1223	5	Uint16	2	R	False=0 True=1
Config DTC 3	Alarm	1223	6	Uint16	2	R	False=0 True=1
Config DTC 3	Pre-Alarm	1223	7	Uint16	2	R	False=0 True=1
Config DTC 4	Output	1223	8	Uint16	2	R	False=0 True=1
Config DTC 4	Alarm	1223	9	Uint16	2	R	False=0 True=1
Config DTC 4	Pre-Alarm	1223	10	Uint16	2	R	False=0 True=1
Config DTC 5	Output	1223	11	Uint16	2	R	False=0 True=1
Config DTC 5	Alarm	1223	12	Uint16	2	R	False=0 True=1
Config DTC 5	Pre-Alarm	1223	13	Uint16	2	R	False=0 True=1
Config DTC 6	Output	1223	14	Uint16	2	R	False=0 True=1
Config DTC 6	Alarm	1223	15	Uint16	2	R	False=0 True=1
Config DTC 6	Pre-Alarm	1224	0	Uint16	2	R	False=0 True=1
Config DTC 7	Output	1224	1	Uint16	2	R	False=0 True=1
Config DTC 7	Alarm	1224	2	Uint16	2	R	False=0 True=1
Config DTC 7	Pre-Alarm	1224	3	Uint16	2	R	False=0 True=1
Config DTC 8	Output	1224	4	Uint16	2	R	False=0 True=1
Config DTC 8	Alarm	1224	5	Uint16	2	R	False=0 True=1
Config DTC 8	Pre-Alarm	1224	6	Uint16	2	R	False=0 True=1
Config DTC 9	Output	1224	7	Uint16	2	R	False=0 True=1
Config DTC 9	Alarm	1224	8	Uint16	2	R	False=0 True=1
Config DTC 9	Pre-Alarm	1224	9	Uint16	2	R	False=0 True=1
Config DTC 10	Output	1224	10	Uint16	2	R	False=0 True=1
Config DTC 10	Alarm	1224	11	Uint16	2	R	False=0 True=1
Config DTC 10	Pre-Alarm	1224	12	Uint16	2	R	False=0 True=1
Config DTC 11	Output	1224	13	Uint16	2	R	False=0 True=1
Config DTC 11	Alarm	1224	14	Uint16	2	R	False=0 True=1
Config DTC 11	Pre-Alarm	1224	15	Uint16	2	R	False=0 True=1
Config DTC 12	Output	1225	0	Uint16	2	R	False=0 True=1
Config DTC 12	Alarm	1225	1	Uint16	2	R	False=0 True=1
Config DTC 12	Pre-Alarm	1225	2	Uint16	2	R	False=0 True=1
Config DTC 13	Output	1225	3	Uint16	2	R	False=0 True=1
Config DTC 13	Alarm	1225	4	Uint16	2	R	False=0 True=1
Config DTC 13	Pre-Alarm	1225	5	Uint16	2	R	False=0 True=1
Config DTC 14	Output	1225	6	Uint16	2	R	False=0 True=1
Config DTC 14	Alarm	1225	7	Uint16	2	R	False=0 True=1
Config DTC 14	Pre-Alarm	1225	8	Uint16	2	R	False=0 True=1
Config DTC 15	Output	1225	9	Uint16	2	R	False=0 True=1
Config DTC 15	Alarm	1225	10	Uint16	2	R	False=0 True=1
Config DTC 15	Pre-Alarm	1225	11	Uint16	2	R	False=0 True=1
Config DTC 16	Output	1225	12	Uint16	2	R	False=0 True=1
Config DTC 16	Alarm	1225	13	Uint16	2	R	False=0 True=1
Config DTC 16	Pre-Alarm	1225	14	Uint16	2	R	False=0 True=1
ECU Metering	mtu Fault Codes Active Pre-Alarm	1225	15	Uint16	2	R	False=0 True=1
ECU Metering	DPF Regen Inhibit Due to Low Coolant Temp BP	1226	0	Uint16	2	R	False=0 True=1
ECU Metering	DPF Regen Inhibit Due to Switch BP	1226	1	Uint16	2	R	False=0 True=1
ECU Metering	SCR Clean Inhibit Due to Switch BP	1226	2	Uint16	2	R	False=0 True=1
ECU Metering	DPF Regenerate Inhibited Due to Switch BP	1226	3	Uint16	2	R	False=0 True=1
ECU Metering	Exhaust Regenerate Forced by Service Tool Active	1226	4	Uint16	2	R	False=0 True=1
ECU Metering	Exhaust Regenerate Forced by Switch Active	1226	5	Uint16	2	R	False=0 True=1
ECU Metering	Exhaust Regenerate Active	1226	6	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Alarms	Too Many CEM Modules	1226	7	UInt16	2	R	False=0 True=1
Alarms	Clock Reset	1226	8	UInt16	2	R	False=0 True=1
Alarms	Global Sender Fail Pre-Alarm	1226	9	UInt16	2	R	False=0 True=1
Alarms	Global Sender Fail Status	1226	10	UInt16	2	R	False=0 True=1
Alarms	Global Sender Fail Detected	1226	11	UInt16	2	R	False=0 True=1
Coolant Level Protection	Coolant Level Sender Fail Pre-Alarm	1226	12	UInt16	2	R	False=0 True=1
Coolant Level Protection	Coolant Level Sender Fail Status	1226	13	UInt16	2	R	False=0 True=1
Coolant Level Protection	Coolant Level Sender Fail Detected	1226	14	UInt16	2	R	False=0 True=1
CEM 5	Connected	1226	15	UInt16	2	R	False=0 True=1
CEM 5	Comms Failure	1227	0	UInt16	2	R	False=0 True=1
CEM 5	Duplicate CEM	1227	1	UInt16	2	R	False=0 True=1
CEM 5	Input 1	1227	2	UInt16	2	R	False=0 True=1
CEM 5	Input 2	1227	3	UInt16	2	R	False=0 True=1
CEM 5	Input 3	1227	4	UInt16	2	R	False=0 True=1
CEM 5	Input 4	1227	5	UInt16	2	R	False=0 True=1
CEM 5	Input 5	1227	6	UInt16	2	R	False=0 True=1
CEM 5	Input 6	1227	7	UInt16	2	R	False=0 True=1
CEM 5	Input 7	1227	8	UInt16	2	R	False=0 True=1
CEM 5	Input 8	1227	9	UInt16	2	R	False=0 True=1
CEM 5	Input 9	1227	10	UInt16	2	R	False=0 True=1
CEM 5	Input 10	1227	11	UInt16	2	R	False=0 True=1
CEM 5	Output 1	1227	12	UInt16	2	R	False=0 True=1
CEM 5	Output 2	1227	13	UInt16	2	R	False=0 True=1
CEM 5	Output 3	1227	14	UInt16	2	R	False=0 True=1
CEM 5	Output 4	1227	15	UInt16	2	R	False=0 True=1
CEM 5	Output 5	1228	0	UInt16	2	R	False=0 True=1
CEM 5	Output 6	1228	1	UInt16	2	R	False=0 True=1
CEM 5	Output 7	1228	2	UInt16	2	R	False=0 True=1
CEM 5	Output 8	1228	3	UInt16	2	R	False=0 True=1
CEM 5	Output 9	1228	4	UInt16	2	R	False=0 True=1
CEM 5	Output 10	1228	5	UInt16	2	R	False=0 True=1
CEM 5	Output 11	1228	6	UInt16	2	R	False=0 True=1
CEM 5	Output 12	1228	7	UInt16	2	R	False=0 True=1
CEM 5	Output 13	1228	8	UInt16	2	R	False=0 True=1
CEM 5	Output 14	1228	9	UInt16	2	R	False=0 True=1
CEM 5	Output 15	1228	10	UInt16	2	R	False=0 True=1
CEM 5	Output 16	1228	11	UInt16	2	R	False=0 True=1
CEM 5	Output 17	1228	12	UInt16	2	R	False=0 True=1
CEM 5	Output 18	1228	13	UInt16	2	R	False=0 True=1
CEM 5	Output 19	1228	14	UInt16	2	R	False=0 True=1
CEM 5	Output 20	1228	15	UInt16	2	R	False=0 True=1
CEM 5	Output 21	1229	0	UInt16	2	R	False=0 True=1
CEM 5	Output 22	1229	1	UInt16	2	R	False=0 True=1
CEM 5	Output 23	1229	2	UInt16	2	R	False=0 True=1
CEM 5	Output 24	1229	3	UInt16	2	R	False=0 True=1
CEM 5	Hardware Mismatch	1229	4	UInt16	2	R	False=0 True=1
CEM 5	Not Configured PA	1229	5	UInt16	2	R	False=0 True=1
CEM 6	Connected	1229	6	UInt16	2	R	False=0 True=1
CEM 6	Comms Failure	1229	7	UInt16	2	R	False=0 True=1
CEM 6	Duplicate CEM	1229	8	UInt16	2	R	False=0 True=1
CEM 6	Input 1	1229	9	UInt16	2	R	False=0 True=1
CEM 6	Input 2	1229	10	UInt16	2	R	False=0 True=1
CEM 6	Input 3	1229	11	UInt16	2	R	False=0 True=1
CEM 6	Input 4	1229	12	UInt16	2	R	False=0 True=1
CEM 6	Input 5	1229	13	UInt16	2	R	False=0 True=1
CEM 6	Input 6	1229	14	UInt16	2	R	False=0 True=1
CEM 6	Input 7	1229	15	UInt16	2	R	False=0 True=1
CEM 6	Input 8	1230	0	UInt16	2	R	False=0 True=1
CEM 6	Input 9	1230	1	UInt16	2	R	False=0 True=1
CEM 6	Input 10	1230	2	UInt16	2	R	False=0 True=1
CEM 6	Output 1	1230	3	UInt16	2	R	False=0 True=1
CEM 6	Output 2	1230	4	UInt16	2	R	False=0 True=1
CEM 6	Output 3	1230	5	UInt16	2	R	False=0 True=1
CEM 6	Output 4	1230	6	UInt16	2	R	False=0 True=1
CEM 6	Output 5	1230	7	UInt16	2	R	False=0 True=1
CEM 6	Output 6	1230	8	UInt16	2	R	False=0 True=1
CEM 6	Output 7	1230	9	UInt16	2	R	False=0 True=1
CEM 6	Output 8	1230	10	UInt16	2	R	False=0 True=1
CEM 6	Output 9	1230	11	UInt16	2	R	False=0 True=1
CEM 6	Output 10	1230	12	UInt16	2	R	False=0 True=1
CEM 6	Output 11	1230	13	UInt16	2	R	False=0 True=1
CEM 6	Output 12	1230	14	UInt16	2	R	False=0 True=1
CEM 6	Output 13	1230	15	UInt16	2	R	False=0 True=1
CEM 6	Output 14	1231	0	UInt16	2	R	False=0 True=1
CEM 6	Output 15	1231	1	UInt16	2	R	False=0 True=1
CEM 6	Output 16	1231	2	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 6	Output 17	1231	3	UInt16	2	R	False=0 True=1
CEM 6	Output 18	1231	4	UInt16	2	R	False=0 True=1
CEM 6	Output 19	1231	5	UInt16	2	R	False=0 True=1
CEM 6	Output 20	1231	6	UInt16	2	R	False=0 True=1
CEM 6	Output 21	1231	7	UInt16	2	R	False=0 True=1
CEM 6	Output 22	1231	8	UInt16	2	R	False=0 True=1
CEM 6	Output 23	1231	9	UInt16	2	R	False=0 True=1
CEM 6	Output 24	1231	10	UInt16	2	R	False=0 True=1
CEM 6	Hardware Mismatch	1231	11	UInt16	2	R	False=0 True=1
CEM 6	Not Configured PA	1231	12	UInt16	2	R	False=0 True=1
ECU Config	Regen Needed Low Level	1231	13	UInt16	2	R	False=0 True=1
ECU Config	Regen Needed Medium Level	1231	14	UInt16	2	R	False=0 True=1
ECU Config	Regen Needed High Level	1231	15	UInt16	2	R	False=0 True=1
ECU Config	Rapid Start Mode Override from PLC	1232	0	UInt16	2	R	False=0 True=1
ECU Config	Show DEF Symbol	1232	1	UInt16	2	R	False=0 True=1
ECU Config	Show Engine Warning Amber Lamp Symbol	1232	2	UInt16	2	R	False=0 True=1
ECU Config	Show Check Engine Lamp Symbol	1232	3	UInt16	2	R	False=0 True=1
ECU Config	Show Engine Stop Red Lamp Symbol	1232	4	UInt16	2	R	False=0 True=1
ECU Config	Show DPF Symbol	1232	5	UInt16	2	R	False=0 True=1
ECU Config	Show DPF Inhibited Symbol	1232	6	UInt16	2	R	False=0 True=1
ECU Config	Show High Exhaust Temp Symbol	1232	7	UInt16	2	R	False=0 True=1
ECU Config	Show Wait to Start Symbol	1232	8	UInt16	2	R	False=0 True=1
ECU Config	Show Torque Limit Symbol	1232	9	UInt16	2	R	False=0 True=1
ECU Config	Show Exhaust System Malfunction Symbol	1232	10	UInt16	2	R	False=0 True=1
Bias Control	Close Load Share Contacts PLC	1232	11	UInt16	2	R	False=0 True=1
Bias Control	Close var Share Contacts PLC	1232	12	UInt16	2	R	False=0 True=1
Monitored Breaker 1	Monitored Breaker Status	1232	13	UInt16	2	R	False=0 True=1
Monitored Breaker 2	Monitored Breaker Status	1232	14	UInt16	2	R	False=0 True=1
Monitored Breaker 3	Monitored Breaker Status	1232	15	UInt16	2	R	False=0 True=1
Monitored Breaker 4	Monitored Breaker Status	1233	0	UInt16	2	R	False=0 True=1
Monitored Breaker 5	Monitored Breaker Status	1233	1	UInt16	2	R	False=0 True=1
Monitored Breaker 6	Monitored Breaker Status	1233	2	UInt16	2	R	False=0 True=1
Monitored Breaker 7	Monitored Breaker Status	1233	3	UInt16	2	R	False=0 True=1
Monitored Breaker 8	Monitored Breaker Status	1233	4	UInt16	2	R	False=0 True=1
ATS	ATS Circuit Error Pre-Alarm	1233	5	UInt16	2	R	False=0 True=1
ATS	Normally Open Input	1233	6	UInt16	2	R	False=0 True=1
ATS	Normally Closed Input	1233	7	UInt16	2	R	False=0 True=1
Load Shedding	Shed Load	1233	8	UInt16	2	R	False=0 True=1
Load Shedding	Shed Load Fast	1233	9	UInt16	2	R	False=0 True=1
Load Shedding	Add Load Inhibit	1233	10	UInt16	2	R	False=0 True=1
Load Shedding	Trip All	1233	11	UInt16	2	R	False=0 True=1
Load Shedding	Add All	1233	12	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 1 Enable	1233	13	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 2 Enable	1233	14	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 3 Enable	1233	15	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 4 Enable	1234	0	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 5 Enable	1234	1	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 6 Enable	1234	2	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 7 Enable	1234	3	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 8 Enable	1234	4	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 9 Enable	1234	5	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 10 Enable	1234	6	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 11 Enable	1234	7	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 12 Enable	1234	8	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 13 Enable	1234	9	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 14 Enable	1234	10	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 15 Enable	1234	11	UInt16	2	R	False=0 True=1
Load Shedding	Load Add Bias 16 Enable	1234	12	UInt16	2	R	False=0 True=1
Load Shedding Status	Shed Load Status	1234	13	UInt16	2	R	False=0 True=1
Load Shedding Status	Shed Load Fast Status	1234	14	UInt16	2	R	False=0 True=1
Load Shedding Status	Add Load Inhibit Status	1234	15	UInt16	2	R	False=0 True=1
Load Shedding Status	Trip All Status	1235	0	UInt16	2	R	False=0 True=1
Load Shedding Status	Add All Status	1235	1	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 1 Status	1235	2	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 2 Status	1235	3	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 3 Status	1235	4	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 4 Status	1235	5	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 5 Status	1235	6	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 6 Status	1235	7	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 7 Status	1235	8	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 8 Status	1235	9	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 9 Status	1235	10	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 10 Status	1235	11	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 11 Status	1235	12	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 12 Status	1235	13	UInt16	2	R	False=0 True=1
Load Shedding Status	Load Add Bias 13 Status	1235	14	UInt16	2	R	False=0 True=1

DGC-2020HD Modbus® Protocol Binary Points Register Table

Binary Points Register Table DGC-2020HD Modbus® Protocol

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Configurable Element 10	Pre-Alarm	1245	7	Uint16	2	R	False=0 True=1
Configurable Element 11	Output	1245	8	Uint16	2	R	False=0 True=1
Configurable Element 11	Alarm	1245	9	Uint16	2	R	False=0 True=1
Configurable Element 11	Pre-Alarm	1245	10	Uint16	2	R	False=0 True=1
Configurable Element 12	Output	1245	11	Uint16	2	R	False=0 True=1
Configurable Element 12	Alarm	1245	12	Uint16	2	R	False=0 True=1
Configurable Element 12	Pre-Alarm	1245	13	Uint16	2	R	False=0 True=1
Configurable Element 13	Output	1245	14	Uint16	2	R	False=0 True=1
Configurable Element 13	Alarm	1245	15	Uint16	2	R	False=0 True=1
Configurable Element 13	Pre-Alarm	1246	0	Uint16	2	R	False=0 True=1
Configurable Element 14	Output	1246	1	Uint16	2	R	False=0 True=1
Configurable Element 14	Alarm	1246	2	Uint16	2	R	False=0 True=1
Configurable Element 14	Pre-Alarm	1246	3	Uint16	2	R	False=0 True=1
Configurable Element 15	Output	1246	4	Uint16	2	R	False=0 True=1
Configurable Element 15	Alarm	1246	5	Uint16	2	R	False=0 True=1
Configurable Element 15	Pre-Alarm	1246	6	Uint16	2	R	False=0 True=1
Configurable Element 16	Output	1246	7	Uint16	2	R	False=0 True=1
Configurable Element 16	Alarm	1246	8	Uint16	2	R	False=0 True=1
Configurable Element 16	Pre-Alarm	1246	9	Uint16	2	R	False=0 True=1
Configurable Element 17	Output	1246	10	Uint16	2	R	False=0 True=1
Configurable Element 17	Alarm	1246	11	Uint16	2	R	False=0 True=1
Configurable Element 17	Pre-Alarm	1246	12	Uint16	2	R	False=0 True=1
Configurable Element 18	Output	1246	13	Uint16	2	R	False=0 True=1
Configurable Element 18	Alarm	1246	14	Uint16	2	R	False=0 True=1
Configurable Element 18	Pre-Alarm	1246	15	Uint16	2	R	False=0 True=1
Configurable Element 19	Output	1247	0	Uint16	2	R	False=0 True=1
Configurable Element 19	Alarm	1247	1	Uint16	2	R	False=0 True=1
Configurable Element 19	Pre-Alarm	1247	2	Uint16	2	R	False=0 True=1
Configurable Element 20	Output	1247	3	Uint16	2	R	False=0 True=1
Configurable Element 20	Alarm	1247	4	Uint16	2	R	False=0 True=1
Configurable Element 20	Pre-Alarm	1247	5	Uint16	2	R	False=0 True=1
Configurable Element 21	Output	1247	6	Uint16	2	R	False=0 True=1
Configurable Element 21	Alarm	1247	7	Uint16	2	R	False=0 True=1
Configurable Element 21	Pre-Alarm	1247	8	Uint16	2	R	False=0 True=1
Configurable Element 22	Output	1247	9	Uint16	2	R	False=0 True=1
Configurable Element 22	Alarm	1247	10	Uint16	2	R	False=0 True=1
Configurable Element 22	Pre-Alarm	1247	11	Uint16	2	R	False=0 True=1
Configurable Element 23	Output	1247	12	Uint16	2	R	False=0 True=1
Configurable Element 23	Alarm	1247	13	Uint16	2	R	False=0 True=1
Configurable Element 23	Pre-Alarm	1247	14	Uint16	2	R	False=0 True=1
Configurable Element 24	Output	1247	15	Uint16	2	R	False=0 True=1
Configurable Element 24	Alarm	1248	0	Uint16	2	R	False=0 True=1
Configurable Element 24	Pre-Alarm	1248	1	Uint16	2	R	False=0 True=1
Configurable Element 25	Output	1248	2	Uint16	2	R	False=0 True=1
Configurable Element 25	Alarm	1248	3	Uint16	2	R	False=0 True=1
Configurable Element 25	Pre-Alarm	1248	4	Uint16	2	R	False=0 True=1
Configurable Element 26	Output	1248	5	Uint16	2	R	False=0 True=1
Configurable Element 26	Alarm	1248	6	Uint16	2	R	False=0 True=1
Configurable Element 26	Pre-Alarm	1248	7	Uint16	2	R	False=0 True=1
Configurable Element 27	Output	1248	8	Uint16	2	R	False=0 True=1
Configurable Element 27	Alarm	1248	9	Uint16	2	R	False=0 True=1
Configurable Element 27	Pre-Alarm	1248	10	Uint16	2	R	False=0 True=1
Configurable Element 28	Output	1248	11	Uint16	2	R	False=0 True=1
Configurable Element 28	Alarm	1248	12	Uint16	2	R	False=0 True=1
Configurable Element 28	Pre-Alarm	1248	13	Uint16	2	R	False=0 True=1
Configurable Element 29	Output	1248	14	Uint16	2	R	False=0 True=1
Configurable Element 29	Alarm	1248	15	Uint16	2	R	False=0 True=1
Configurable Element 29	Pre-Alarm	1249	0	Uint16	2	R	False=0 True=1
Configurable Element 30	Output	1249	1	Uint16	2	R	False=0 True=1
Configurable Element 30	Alarm	1249	2	Uint16	2	R	False=0 True=1
Configurable Element 30	Pre-Alarm	1249	3	Uint16	2	R	False=0 True=1
Configurable Element 31	Output	1249	4	Uint16	2	R	False=0 True=1
Configurable Element 31	Alarm	1249	5	Uint16	2	R	False=0 True=1
Configurable Element 31	Pre-Alarm	1249	6	Uint16	2	R	False=0 True=1
Configurable Element 32	Output	1249	7	Uint16	2	R	False=0 True=1
Configurable Element 32	Alarm	1249	8	Uint16	2	R	False=0 True=1
Configurable Element 32	Pre-Alarm	1249	9	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 1	Alarm	1249	10	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 1	Pre-Alarm	1249	11	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 1	State	1249	12	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 2	Alarm	1249	13	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 2	Pre-Alarm	1249	14	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 2	State	1249	15	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 3	Alarm	1250	0	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 3	Pre-Alarm	1250	1	Uint16	2	R	False=0 True=1
CEM 5 Contact Input 3	State	1250	2	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
CEM 5 Contact Input 4	Alarm	1250	3	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 4	Pre-Alarm	1250	4	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 4	State	1250	5	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 5	Alarm	1250	6	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 5	Pre-Alarm	1250	7	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 5	State	1250	8	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 6	Alarm	1250	9	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 6	Pre-Alarm	1250	10	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 6	State	1250	11	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 7	Alarm	1250	12	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 7	Pre-Alarm	1250	13	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 7	State	1250	14	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 8	Alarm	1250	15	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 8	Pre-Alarm	1251	0	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 8	State	1251	1	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 9	Alarm	1251	2	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 9	Pre-Alarm	1251	3	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 9	State	1251	4	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 10	Alarm	1251	5	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 10	Pre-Alarm	1251	6	UInt16	2	R	False=0 True=1
CEM 5 Contact Input 10	State	1251	7	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 1	Alarm	1251	8	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 1	Pre-Alarm	1251	9	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 1	State	1251	10	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 2	Alarm	1251	11	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 2	Pre-Alarm	1251	12	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 2	State	1251	13	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 3	Alarm	1251	14	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 3	Pre-Alarm	1251	15	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 3	State	1252	0	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 4	Alarm	1252	1	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 4	Pre-Alarm	1252	2	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 4	State	1252	3	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 5	Alarm	1252	4	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 5	Pre-Alarm	1252	5	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 5	State	1252	6	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 6	Alarm	1252	7	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 6	Pre-Alarm	1252	8	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 6	State	1252	9	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 7	Alarm	1252	10	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 7	Pre-Alarm	1252	11	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 7	State	1252	12	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 8	Alarm	1252	13	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 8	Pre-Alarm	1252	14	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 8	State	1252	15	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 9	Alarm	1253	0	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 9	Pre-Alarm	1253	1	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 9	State	1253	2	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 10	Alarm	1253	3	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 10	Pre-Alarm	1253	4	UInt16	2	R	False=0 True=1
CEM 6 Contact Input 10	State	1253	5	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 1 Output	1253	6	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 2 Output	1253	7	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 3 Output	1253	8	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 4 Output	1253	9	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 5 Output	1253	10	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 6 Output	1253	11	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 7 Output	1253	12	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 8 Output	1253	13	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 9 Output	1253	14	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 10 Output	1253	15	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 11 Output	1254	0	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 12 Output	1254	1	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 13 Output	1254	2	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 14 Output	1254	3	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 15 Output	1254	4	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 16 Output	1254	5	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 17 Output	1254	6	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 18 Output	1254	7	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 19 Output	1254	8	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 20 Output	1254	9	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 21 Output	1254	10	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 22 Output	1254	11	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 23 Output	1254	12	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 24 Output	1254	13	UInt16	2	R	False=0 True=1
Logic Timer Outputs	Timer 25 Output	1254	14	UInt16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Logic Timer Outputs	Timer 26 Output	1254	15	Uint16	2	R	False=0 True=1
Logic Timer Outputs	Timer 27 Output	1255	0	Uint16	2	R	False=0 True=1
Logic Timer Outputs	Timer 28 Output	1255	1	Uint16	2	R	False=0 True=1
Logic Timer Outputs	Timer 29 Output	1255	2	Uint16	2	R	False=0 True=1
Logic Timer Outputs	Timer 30 Output	1255	3	Uint16	2	R	False=0 True=1
Logic Timer Outputs	Timer 31 Output	1255	4	Uint16	2	R	False=0 True=1
Logic Timer Outputs	Timer 32 Output	1255	5	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 1 Output	1255	6	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 2 Output	1255	7	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 3 Output	1255	8	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 4 Output	1255	9	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 5 Output	1255	10	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 6 Output	1255	11	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 7 Output	1255	12	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 8 Output	1255	13	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 9 Output	1255	14	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 10 Output	1255	15	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 11 Output	1256	0	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 12 Output	1256	1	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 13 Output	1256	2	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 14 Output	1256	3	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 15 Output	1256	4	Uint16	2	R	False=0 True=1
Logic Counter Outputs	Counter 16 Output	1256	5	Uint16	2	R	False=0 True=1
Demand Start Stop	Demand Start Inhibit	1256	6	Uint16	2	R	False=0 True=1
Demand Start Stop	Demand Stop Inhibit	1256	7	Uint16	2	R	False=0 True=1
Gen Brkr	Synchronization In Progress	1256	8	Uint16	2	R	False=0 True=1
Mains Brkr	Synchronization In Progress	1256	9	Uint16	2	R	False=0 True=1
Group Breaker	Synchronization In Progress	1256	10	Uint16	2	R	False=0 True=1
Tie Breaker	Synchronization In Progress	1256	11	Uint16	2	R	False=0 True=1
Tie Breaker 2	Synchronization In Progress	1256	12	Uint16	2	R	False=0 True=1
System Configuration	Raise Speed From PLC	1256	13	Uint16	2	R	False=0 True=1
System Configuration	Lower Speed From PLC	1256	14	Uint16	2	R	False=0 True=1
Generator Alternate Rated Kw Handler	Alternate 1 Selected	1256	15	Uint16	2	R	False=0 True=1
Generator Alternate Rated Kw Handler	Alternate 2 Selected	1257	0	Uint16	2	R	False=0 True=1
Generator Alternate Rated Kw Handler	Alternate 3 Selected	1257	1	Uint16	2	R	False=0 True=1
Generator Alternate Rated Kw Handler	Alternate 4 Selected	1257	2	Uint16	2	R	False=0 True=1
ECU Metering	Urea Burnoff Increase Load Pre-alarm	1257	3	Uint16	2	R	False=0 True=1
Genset Controller	Run Request from Communications	1257	4	Uint16	2	R	False=0 True=1
Genset Controller	Ats Start Inhibit	1257	5	Uint16	2	R	False=0 True=1
Genset Controller	Genset Control Direct	1257	6	Uint16	2	R	False=0 True=1
Genset Controller	Genset Control Supervisory	1257	7	Uint16	2	R	False=0 True=1
Genset Controller	Engine Start Fail	1257	8	Uint16	2	R	False=0 True=1
Genset Controller	In Supervisor Starting State	1257	9	Uint16	2	R	False=0 True=1
Communications Control Group	Reset From Plc	1257	10	Uint16	2	R	False=0 True=1
Communications Control Group	Alarm Silence From Plc	1257	11	Uint16	2	R	False=0 True=1
Communications Control Group	Lamp Test From Plc	1257	12	Uint16	2	R	False=0 True=1
Communications Control Group	Reset Bus1prot From Plc	1257	13	Uint16	2	R	False=0 True=1
Communications Control Group	Reset Bus2prot From Plc	1257	14	Uint16	2	R	False=0 True=1
Communications Control Group	Off From Communications	1257	15	Uint16	2	R	False=0 True=1
Communications Control Group	Auto From Communications	1258	0	Uint16	2	R	False=0 True=1
Communications Control Group	Run From Communications	1258	1	Uint16	2	R	False=0 True=1
Communications Control Group	Remote Start From Communications	1258	2	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 1 Enable	1258	3	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 2 Enable	1258	4	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 3 Enable	1258	5	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 4 Enable	1258	6	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 5 Enable	1258	7	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 6 Enable	1258	8	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 7 Enable	1258	9	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 8 Enable	1258	10	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 9 Enable	1258	11	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 10 Enable	1258	12	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 11 Enable	1258	13	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 12 Enable	1258	14	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 13 Enable	1258	15	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 14 Enable	1259	0	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 15 Enable	1259	1	Uint16	2	R	False=0 True=1
Demand Start Stop	Spinning Reserve Offset 16 Enable	1259	2	Uint16	2	R	False=0 True=1
Sequencing Start/Stop	System Manager	1259	3	Uint16	2	R	False=0 True=1
ECU Config	DPF Manual Regenerate From PLC	1259	4	Uint16	2	R	False=0 True=1
ECU Config	DPF Regenerate Disable From PLC	1259	5	Uint16	2	R	False=0 True=1
ECU Config	MTU Cyl Cutout Disable From PLC	1259	6	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
ECU Config	Show Oil Pressure Lamp Symbol	1259	7	Uint16	2	R	False=0 True=1
ECU Config	Show Coolant Temperature Lamp Symbol	1259	8	Uint16	2	R	False=0 True=1
ECU Config	Show Water In Fuel Lamp Symbol	1259	9	Uint16	2	R	False=0 True=1
ECU Config	Show Filler Nozzle Lamp Symbol	1259	10	Uint16	2	R	False=0 True=1
ECU Config	Show Engine Derate 1 Lamp Symbol	1259	11	Uint16	2	R	False=0 True=1
ECU Config	Show Engine Derate 2 Lamp Symbol	1259	12	Uint16	2	R	False=0 True=1
ECU Config	DEF Tech Fail Pre-Alarm (Fiat FPT)	1259	13	Uint16	2	R	False=0 True=1
ECU Config	High Coolant Temperature Pre-Alarm	1259	14	Uint16	2	R	False=0 True=1
ECU Config	High Coolant Temp Severe Pre-Alarm	1259	15	Uint16	2	R	False=0 True=1
ECU Config	Low Oil Pressure Pre-Alarm	1260	0	Uint16	2	R	False=0 True=1
ECU Config	Water in Fuel Pre-Alarm	1260	1	Uint16	2	R	False=0 True=1
ECU Config	Regeneration Inhibit due to Temporary Lockout Pre-Alarm	1260	2	Uint16	2	R	False=0 True=1
ECU Config	Regeneration Inhibit due to Permanent Lockout Pre-Alarm	1260	3	Uint16	2	R	False=0 True=1
ECU Config	Regeneration Inhibit due to Accelerator Pedal Off Idle Pre-Alarm	1260	4	Uint16	2	R	False=0 True=1
ECU Config	Regeneration Inhibit due to System Fault Pre-Alarm	1260	5	Uint16	2	R	False=0 True=1
ECU Config	Regeneration Active Pre-Alarm	1260	6	Uint16	2	R	False=0 True=1
ECU Config	Critical Emission Failure Pre-Alarm	1260	7	Uint16	2	R	False=0 True=1
ECU Config	Incorrect DEF Pre-Alarm	1260	8	Uint16	2	R	False=0 True=1
ECU Config	DEF Dosing Malfunction Pre-Alarm	1260	9	Uint16	2	R	False=0 True=1
ECU Config	Soot Level Critical Pre-Alarm	1260	10	Uint16	2	R	False=0 True=1
Synchronizer	Sync Active Mode Override	1260	11	Uint16	2	R	False=0 True=1
Synchronizer	Sync Check Mode Override	1260	12	Uint16	2	R	False=0 True=1
Synchronizer	Sync Only Mode Override	1260	13	Uint16	2	R	False=0 True=1
Synchronizer	Generator Frequency Greater Than Bus Frequency Override	1260	14	Uint16	2	R	False=0 True=1
Synchronizer	Generator Frequency Less Than Bus Frequency Override	1260	15	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 1 Override	1261	0	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 2 Override	1261	1	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 3 Override	1261	2	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 4 Override	1261	3	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 5 Override	1261	4	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 6 Override	1261	5	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 7 Override	1261	6	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 8 Override	1261	7	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 9 Override	1261	8	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 10 Override	1261	9	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 11 Override	1261	10	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 12 Override	1261	11	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 13 Override	1261	12	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 14 Override	1261	13	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 15 Override	1261	14	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Level 16 Override	1261	15	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 1 Enable	1262	0	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 2 Enable	1262	1	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 3 Enable	1262	2	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 4 Enable	1262	3	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 5 Enable	1262	4	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 6 Enable	1262	5	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 7 Enable	1262	6	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Breaker Local Request Generation	Block Load Offset 8 Enable	1262	7	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block LoadOffset 9 Enable	1262	8	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 10 Enable	1262	9	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 11 Enable	1262	10	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 12 Enable	1262	11	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 13 Enable	1262	12	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 14 Enable	1262	13	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block LoadOffset 15 Enable	1262	14	Uint16	2	R	False=0 True=1
Breaker Local Request Generation	Block Load Offset 16 Enable	1262	15	Uint16	2	R	False=0 True=1
Bias Control	Stop Kw Ramp	1263	0	Uint16	2	R	False=0 True=1
Bias Control	Stop Kvar Ramp	1263	1	Uint16	2	R	False=0 True=1
Bias Control	Voltage Trim Inhibit	1263	2	Uint16	2	R	False=0 True=1
Bias Control	Speed Trim Inhibit	1263	3	Uint16	2	R	False=0 True=1
Bias Control	Drop Override	1263	4	Uint16	2	R	False=0 True=1
Bias Control	Islanded Manual Kw Mode	1263	5	Uint16	2	R	False=0 True=1
Bias Control	Islanded Auto Kw Mode	1263	6	Uint16	2	R	False=0 True=1
Bias Control	Mains Parallel Manual Kw Mode	1263	7	Uint16	2	R	False=0 True=1
Bias Control	Mains Parallel Auto Kw Mode	1263	8	Uint16	2	R	False=0 True=1
Bias Control	Alternate Voltage Override1	1263	9	Uint16	2	R	False=0 True=1
Bias Control	Alternate Voltage Override2	1263	10	Uint16	2	R	False=0 True=1
Bias Control	Alternate Voltage Override3	1263	11	Uint16	2	R	False=0 True=1
Bias Control	Alternate Voltage Override4	1263	12	Uint16	2	R	False=0 True=1
Bias Control	Load Anticipation Inhibit	1263	13	Uint16	2	R	False=0 True=1
Bias Control	Activate Voltage Trim Pre Position1	1263	14	Uint16	2	R	False=0 True=1
Bias Control	Activate Voltage Trim Pre Position2	1263	15	Uint16	2	R	False=0 True=1
Bias Control	Activate Voltage Trim Pre Position3	1264	0	Uint16	2	R	False=0 True=1
Bias Control	Activate Voltage Trim Pre Position4	1264	1	Uint16	2	R	False=0 True=1
Bias Control	AVR PID At Lower Limit	1264	2	Uint16	2	R	False=0 True=1
Bias Control	AVR PID At Upper Limit	1264	3	Uint16	2	R	False=0 True=1
Bias Control	Voltage Droop Override	1264	4	Uint16	2	R	False=0 True=1
Bias Control	Analog Load Share Override	1264	5	Uint16	2	R	False=0 True=1
Bias Control	Voltage Trim Droop Enable	1264	6	Uint16	2	R	False=0 True=1
Bias Control	Speed Trim Droop Enable	1264	7	Uint16	2	R	False=0 True=1
Bias Control	Kw Control Inhibit From Logic	1264	8	Uint16	2	R	False=0 True=1
Bias Control	Kvar Control Inhibit From Logic	1264	9	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Gain Group 0 Selected From Communications	1264	10	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Gain Group 1 Selected From Communications	1264	11	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Gain Group 2 Selected From Communications	1264	12	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Gain Group 3 Selected From Communications	1264	13	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Gain Group 0 Active	1264	14	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Gain Group 1 Active	1264	15	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Gain Group 2 Active	1265	0	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Gain Group 3 Active	1265	1	Uint16	2	R	False=0 True=1
Bias Control Gains Group Handler	Primary Gains Active	1265	2	Uint16	2	R	False=0 True=1
Baseload Level	Raise	1265	3	Uint16	2	R	False=0 True=1
Baseload Level	Lower	1265	4	Uint16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 1	1265	5	Uint16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 2	1265	6	Uint16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 3	1265	7	Uint16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 4	1265	8	Uint16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 5	1265	9	Uint16	2	R	False=0 True=1
Peak Shave	Raise	1265	10	Uint16	2	R	False=0 True=1
Peak Shave	Lower	1265	11	Uint16	2	R	False=0 True=1
Peak Shave	Activate Pre Position 1	1265	12	Uint16	2	R	False=0 True=1
Peak Shave	Activate Pre Position 2	1265	13	Uint16	2	R	False=0 True=1
Peak Shave	Activate Pre Position 3	1265	14	Uint16	2	R	False=0 True=1
Peak Shave	Activate Pre Position 4	1265	15	Uint16	2	R	False=0 True=1
Peak Shave	Activate Pre Position 5	1266	0	Uint16	2	R	False=0 True=1
Import/Export	Raise	1266	1	Uint16	2	R	False=0 True=1

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Import/Export	Lower	1266	2	UInt16	2	R	False=0 True=1
Import/Export	Activate Pre Position 1	1266	3	UInt16	2	R	False=0 True=1
Import/Export	Activate Pre Position 2	1266	4	UInt16	2	R	False=0 True=1
Import/Export	Activate Pre Position 3	1266	5	UInt16	2	R	False=0 True=1
Import/Export	Activate Pre Position 4	1266	6	UInt16	2	R	False=0 True=1
Import/Export	Activate Pre Position 5	1266	7	UInt16	2	R	False=0 True=1
Voltage Trim	Raise	1266	8	UInt16	2	R	False=0 True=1
Voltage Trim	Lower	1266	9	UInt16	2	R	False=0 True=1
Voltage Trim	Activate Pre Position 1	1266	10	UInt16	2	R	False=0 True=1
Voltage Trim	Activate Pre Position 2	1266	11	UInt16	2	R	False=0 True=1
Voltage Trim	Activate Pre Position 3	1266	12	UInt16	2	R	False=0 True=1
Voltage Trim	Activate Pre Position 4	1266	13	UInt16	2	R	False=0 True=1
Voltage Trim	Activate Pre Position 5	1266	14	UInt16	2	R	False=0 True=1
Speed Trim	Raise	1266	15	UInt16	2	R	False=0 True=1
Speed Trim	Lower	1267	0	UInt16	2	R	False=0 True=1
Speed Trim	Activate Pre Position 1	1267	1	UInt16	2	R	False=0 True=1
Speed Trim	Activate Pre Position 2	1267	2	UInt16	2	R	False=0 True=1
Speed Trim	Activate Pre Position 3	1267	3	UInt16	2	R	False=0 True=1
Speed Trim	Activate Pre Position 4	1267	4	UInt16	2	R	False=0 True=1
Speed Trim	Activate Pre Position 5	1267	5	UInt16	2	R	False=0 True=1
Baseload Level	Raise	1267	6	UInt16	2	R	False=0 True=1
Baseload Level	Lower	1267	7	UInt16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 1	1267	8	UInt16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 2	1267	9	UInt16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 3	1267	10	UInt16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 4	1267	11	UInt16	2	R	False=0 True=1
Baseload Level	Activate Pre Position 5	1267	12	UInt16	2	R	False=0 True=1
Island Baseload Level	Raise	1267	13	UInt16	2	R	False=0 True=1
Island Baseload Level	Lower	1267	14	UInt16	2	R	False=0 True=1
Island Baseload Level	Activate Pre Position 1	1267	15	UInt16	2	R	False=0 True=1
Island Baseload Level	Activate Pre Position 2	1268	0	UInt16	2	R	False=0 True=1
Island Baseload Level	Activate Pre Position 3	1268	1	UInt16	2	R	False=0 True=1
Island Baseload Level	Activate Pre Position 4	1268	2	UInt16	2	R	False=0 True=1
Island Baseload Level	Activate Pre Position 5	1268	3	UInt16	2	R	False=0 True=1
kvar Setpoint	Raise	1268	4	UInt16	2	R	False=0 True=1
kvar Setpoint	Lower	1268	5	UInt16	2	R	False=0 True=1
kvar Setpoint	Activate Pre Position 1	1268	6	UInt16	2	R	False=0 True=1
kvar Setpoint	Activate Pre Position 2	1268	7	UInt16	2	R	False=0 True=1
kvar Setpoint	Activate Pre Position 3	1268	8	UInt16	2	R	False=0 True=1
kvar Setpoint	Activate Pre Position 4	1268	9	UInt16	2	R	False=0 True=1
kvar Setpoint	Activate Pre Position 5	1268	10	UInt16	2	R	False=0 True=1
PF Setpoint	Raise	1268	11	UInt16	2	R	False=0 True=1
PF Setpoint	Lower	1268	12	UInt16	2	R	False=0 True=1
PF Setpoint	Activate Pre Position 1	1268	13	UInt16	2	R	False=0 True=1
PF Setpoint	Activate Pre Position 2	1268	14	UInt16	2	R	False=0 True=1
PF Setpoint	Activate Pre Position 3	1268	15	UInt16	2	R	False=0 True=1
PF Setpoint	Activate Pre Position 4	1269	0	UInt16	2	R	False=0 True=1
PF Setpoint	Activate Pre Position 5	1269	1	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 1	1269	2	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 2	1269	3	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 3	1269	4	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 4	1269	5	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 5	1269	6	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 6	1269	7	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 7	1269	8	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 8	1269	9	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 9	1269	10	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 10	1269	11	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 11	1269	12	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 12	1269	13	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 13	1269	14	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 14	1269	15	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 15	1270	0	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 16	1270	1	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 17	1270	2	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 18	1270	3	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 19	1270	4	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 20	1270	5	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 21	1270	6	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 22	1270	7	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 23	1270	8	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 24	1270	9	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 25	1270	10	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 26	1270	11	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 27	1270	12	UInt16	2	R	False=0 True=1
Modbus Virtual	Switch 28	1270	13	UInt16	2	R	False=0 True=1

DGC-2020HD Modbus® Protocol Binary Points Register Table

Name	Description	Register	Bit	Type	Bytes	R/W	Range
Modbus Virtual	Switch 105	1275	10	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 106	1275	11	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 107	1275	12	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 108	1275	13	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 109	1275	14	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 110	1275	15	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 111	1276	0	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 112	1276	1	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 113	1276	2	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 114	1276	3	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 115	1276	4	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 116	1276	5	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 117	1276	6	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 118	1276	7	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 119	1276	8	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 120	1276	9	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 121	1276	10	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 122	1276	11	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 123	1276	12	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 124	1276	13	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 125	1276	14	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 126	1276	15	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 127	1277	0	Uint16	2	R	False=0 True=1
Modbus Virtual	Switch 128	1277	1	Uint16	2	R	False=0 True=1

4 • Bias Control Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bias Control	AVR Kp For Analog Bias Out	2000	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	AVR Ki For Analog Bias Out	2002	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	AVR Kd For Analog Bias Out	2004	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	AVR Td	2006	Float	4	R W	n/a	0.001	0 - 1
Bias Control	AVR Loop Gain For Analog Bias Out	2008	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	AVR Enable Windup Limit	2010	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Bias Control	AVR Integrator Limit Plus	2012	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	AVR Integrator Limit Minus	2014	Float	4	R W	n/a	0.001	-1000 - 0
Bias Control	AVR Output Upper Limit	2016	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	AVR Output Lower Limit	2018	Float	4	R W	n/a	0.001	-1000 - 0
Bias Control	GOV Kp For Analog Bias Out	2020	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	GOV Ki For Analog Bias Out	2022	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	GOV Kd For Analog Bias Out	2024	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	GOV Td	2026	Float	4	R W	n/a	0.001	0 - 1
Bias Control	GOV Loop Gain For Analog Bias Out	2028	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	GOV Enable Windup Limit	2030	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Bias Control	GOV Integrator Limit Plus	2032	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	GOV Integrator Limit Minus	2034	Float	4	R W	n/a	0.001	-1000 - 0
Bias Control	GOV Output Upper Limit	2036	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	GOV Output Lower Limit	2038	Float	4	R W	n/a	0.001	-1000 - 0
Bias Control	kvar Kp For Analog Bias Out	2040	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kvar Ki For Analog Bias Out	2042	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kvar Kd For Analog Bias Out	2044	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kvar Td	2046	Float	4	R W	n/a	0.001	0 - 1
Bias Control	kvar Loop Gain For Analog Bias Out	2048	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kvar Enable Windup Limit	2050	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Bias Control	kvar Integrator Limit Plus	2052	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kvar Integrator Limit Minus	2054	Float	4	R W	n/a	0.001	-1000 - 0
Bias Control	kvar Output Upper Limit	2056	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kvar Output Lower Limit	2058	Float	4	R W	n/a	0.001	-1000 - 0
Bias Control	kW Kp For Analog Bias Out	2060	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kW Ki For Analog Bias Out	2062	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kW Kd For Analog Bias Out	2064	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kW Td	2066	Float	4	R W	n/a	0.001	0 - 1
Bias Control	kW Loop Gain For Analog Bias Out	2068	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kW Enable Windup Limit	2070	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Bias Control	kW Integrator Limit Plus	2072	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kW Integrator Limit Minus	2074	Float	4	R W	n/a	0.001	-1000 - 0
Bias Control	kW Output Upper Limit	2076	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kW Output Lower Limit	2078	Float	4	R W	n/a	0.001	-1000 - 0
Bias Control	kW Droop Percentage	2080	Float	4	R W	Percent	0.001	0.5 - 10
Bias Control	Load Control Enabled	2082	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Bias Control	kW Load Rate	2084	Float	4	R W	Percent	0.1	0 - 100
Bias Control	Breaker Open Setpoint	2086	Float	4	R W	Percent	0.1	0 - 100
Bias Control	AVR Output Type	2088	Uint32	4	R W	n/a	n/a	Contact=0 Analog=1
Bias Control	GOV Output Type	2090	Uint32	4	R W	n/a	n/a	Contact=0 Analog=1
Bias Control	Governor Droop Gain	2092	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	AVR Droop Gain	2094	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	Speed Trim Enabled	2096	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled if Gen Breaker Closed=1 Enable Always=2
Bias Control	Voltage Trim Enabled	2098	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled if Gen Breaker Closed=1 Enable Always=2
Bias Control	Ramped Watt Demand Per Unit	2100	Float	4	R W	n/a	n/a	n/a
Bias Control	Watt Demand Per Unit	2102	Float	4	R W	n/a	n/a	n/a
Bias Control	Ramped var Demand Per Unit	2104	Float	4	R W	n/a	n/a	n/a
Bias Control	AVR Inner Controller Output	2106	Float	4	R W	n/a	n/a	n/a
Bias Control	AVR Outer Controller Output	2108	Float	4	R W	n/a	n/a	n/a

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bias Control	GOV Inner Controller Output	2110	Float	4	R W	n/a	n/a	n/a
Bias Control	GOV Outer Controller Output	2112	Float	4	R W	n/a	n/a	n/a
Bias Control	GOV Inner Controller Error	2114	Float	4	R W	n/a	n/a	n/a
Bias Control	GOV Outer Controller Error	2116	Float	4	R W	n/a	n/a	n/a
Bias Control	Speed Trim Setpoint	2118	Float	4	R W	Hertz	0.01	47 - 100
Bias Control	var Control Enabled	2120	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Bias Control	kvar Load Rate	2122	Float	4	R W	Percent	0.1	0 - 100
Bias Control	kW Setpoint Source	2124	Uint32	4	R W	n/a	n/a	User Setting=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog Input 1=5 AEM 1 Analog Input 2=6 AEM 1 Analog Input 3=7 AEM 1 Analog Input 4=8 AEM 1 Analog Input 5=9 AEM 1 Analog Input 6=10 AEM 1 Analog Input 7=11 AEM 1 Analog Input 8=12 AEM 2 Analog Input 1=13 AEM 2 Analog Input 2=14 AEM 2 Analog Input 3=15 AEM 2 Analog Input 4=16 AEM 2 Analog Input 5=17 AEM 2 Analog Input 6=18 AEM 2 Analog Input 7=19 AEM 2 Analog Input 8=20 AEM 3 Analog Input 1=21 AEM 3 Analog Input 2=22 AEM 3 Analog Input 3=23 AEM 3 Analog Input 4=24 AEM 3 Analog Input 5=25 AEM 3 Analog Input 6=26 AEM 3 Analog Input 7=27 AEM 3 Analog Input 8=28 AEM 4 Analog Input 1=29 AEM 4 Analog Input 2=30 AEM 4 Analog Input 3=31 AEM 4 Analog Input 4=32 AEM 4 Analog Input 5=33 AEM 4 Analog Input 6=34 AEM 4 Analog Input 7=35 AEM 4 Analog Input 8=36 System Manager=37
Bias Control	kvar Setpoint Source	2126	Uint32	4	R W	n/a	n/a	User Setting=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog Input 1=5 AEM 1 Analog Input 2=6 AEM 1 Analog Input 3=7 AEM 1 Analog Input 4=8 AEM 1 Analog Input 5=9 AEM 1 Analog Input 6=10 AEM 1 Analog Input 7=11 AEM 1 Analog Input 8=12 AEM 2 Analog Input 1=13 AEM 2 Analog Input 2=14 AEM 2 Analog Input 3=15 AEM 2 Analog Input 4=16 AEM 2 Analog Input 5=17 AEM 2 Analog Input 6=18 AEM 2 Analog Input 7=19 AEM 2 Analog Input 8=20 AEM 3 Analog Input 1=21 AEM 3 Analog Input 2=22 AEM 3 Analog Input 3=23 AEM 3 Analog Input 4=24 AEM 3 Analog Input 5=25 AEM 3 Analog Input 6=26 AEM 3 Analog Input 7=27 AEM 3 Analog Input 8=28 AEM 4 Analog Input 1=29 AEM 4 Analog Input 2=30 AEM 4 Analog Input 3=31 AEM 4 Analog Input 4=32 AEM 4 Analog Input 5=33 AEM 4 Analog Input 6=34 AEM 4 Analog Input 7=35

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bias Control	PF Setpoint Source	2128	Uint32	4	R W	n/a	n/a	AEM 4 Analog Input 8=36 System Manager=37 User Setting=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog Input 1=5 AEM 1 Analog Input 2=6 AEM 1 Analog Input 3=7 AEM 1 Analog Input 4=8 AEM 1 Analog Input 5=9 AEM 1 Analog Input 6=10 AEM 1 Analog Input 7=11 AEM 1 Analog Input 8=12 AEM 2 Analog Input 1=13 AEM 2 Analog Input 2=14 AEM 2 Analog Input 3=15 AEM 2 Analog Input 4=16 AEM 2 Analog Input 5=17 AEM 2 Analog Input 6=18 AEM 2 Analog Input 7=19 AEM 2 Analog Input 8=20 AEM 3 Analog Input 1=21 AEM 3 Analog Input 2=22 AEM 3 Analog Input 3=23 AEM 3 Analog Input 4=24 AEM 3 Analog Input 5=25 AEM 3 Analog Input 6=26 AEM 3 Analog Input 7=27 AEM 3 Analog Input 8=28 AEM 4 Analog Input 1=29 AEM 4 Analog Input 2=30 AEM 4 Analog Input 3=31 AEM 4 Analog Input 4=32 AEM 4 Analog Input 5=33 AEM 4 Analog Input 6=34 AEM 4 Analog Input 7=35 AEM 4 Analog Input 8=36 System Manager=37
Bias Control	Base Load Analog Max	2130	Float	4	R W	Percent	0.1	0 - 100
Bias Control	Base Load Analog Min	2132	Float	4	R W	Percent	0.1	0 - 100
Bias Control	kvar Analog Max	2134	Float	4	R W	Percent	0.1	-100 - 100
Bias Control	kvar Analog Min	2136	Float	4	R W	Percent	0.1	-100 - 100
Bias Control	PF Analog Max	2138	Uint32	4	R W	n/a	1	160 - 240
Bias Control	PF Analog Min	2140	Uint32	4	R W	n/a	1	160 - 240
Bias Control	var Droop Percentage	2142	Float	4	R W	Percent	0.001	0.5 - 10
Bias Control	Base Load Level	2144	Float	4	R W	Percent	0.1	0 - 100
Bias Control	kvar Setpoint	2146	Float	4	R W	Percent	0.1	-100 - 100
Bias Control	PF Setpoint	2148	Uint32	4	R W	n/a	1	160 - 240
Bias Control	var Control Mode	2150	Uint32	4	R W	n/a	n/a	var Control=0 PF Control=1
Bias Control	Load Share Interface	2152	Uint32	4	R W	n/a	n/a	Load Share Line=0 Ethernet Comms=1
Bias Control	Remote Speed Bias Source	2154	Uint32	4	R W	n/a	n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog Input 1=5 AEM 1 Analog Input 2=6 AEM 1 Analog Input 3=7 AEM 1 Analog Input 4=8 AEM 1 Analog Input 5=9 AEM 1 Analog Input 6=10 AEM 1 Analog Input 7=11 AEM 1 Analog Input 8=12 AEM 2 Analog Input 1=13 AEM 2 Analog Input 2=14 AEM 2 Analog Input 3=15 AEM 2 Analog Input 4=16 AEM 2 Analog Input 5=17 AEM 2 Analog Input 6=18 AEM 2 Analog Input 7=19 AEM 2 Analog Input 8=20 AEM 3 Analog Input 1=21 AEM 3 Analog Input 2=22 AEM 3 Analog Input 3=23 AEM 3 Analog Input 4=24 AEM 3 Analog Input 5=25 AEM 3 Analog Input 6=26

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								AEM 3 Analog Input 7=27 AEM 3 Analog Input 8=28 AEM 4 Analog Input 1=29 AEM 4 Analog Input 2=30 AEM 4 Analog Input 3=31 AEM 4 Analog Input 4=32 AEM 4 Analog Input 5=33 AEM 4 Analog Input 6=34 AEM 4 Analog Input 7=35 AEM 4 Analog Input 8=36 System Manager=37
Bias Control	Remote Speed Bias Setpoint	2156	Float	4	R W	Percent	0.01	0 - 100
BiasControl	KwRampStatus	2158	Uint32	4	R	n/a	n/a	Up=0 Down=1 None=2
BiasControl	KvarRampStatus	2160	Uint32	4	R	n/a	n/a	Up=0 Down=1 None=2
Bias Control	Speed Bias Output	2162	Float	4	R	n/a	n/a	n/a
Bias Control	Voltage Bias Output	2164	Float	4	R	n/a	n/a	n/a
Bias Control	Generated kW	2166	Float	4	R	kilowatt	n/a	n/a
Bias Control	Generated kvar	2168	Float	4	R	kilovar	n/a	n/a
Bias Control	Kvar Ramp Unwind	2170	Uint32	4	R W	Percent	1	0 - 100
Bias Control	kW Ramp Unwind	2172	Uint32	4	R W	Percent	1	0 - 100
Independent Meter 1	Var Demand Per Unit	2174	Float	4	R	n/a	n/a	n/a
Bias Control	Mains Parallel kW Control Mode	2176	Uint32	4	R W	n/a	n/a	Manual=0 Automatic=1
Bias Control	Islanded kW Control Mode	2178	Uint32	4	R W	n/a	n/a	Manual=0 Automatic=1
Bias Control	Islanded Base Load Level	2180	Float	4	R W	Percent	0.1	0 - 100
Bias Control	Islanded Base Load Analog Max	2182	Float	4	R W	Percent	0.1	0 - 100
Bias Control	Islanded Base Load Analog Min	2184	Float	4	R W	Percent	0.1	0 - 100
Bias Control	Islanded kW Setpoint Source	2186	Uint32	4	R W	n/a	n/a	User Setting=0 Local Analog In 1=1 Local Analog In 2=2 Local Analog In 3=3 Local Analog In 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37
Bias Control	kW Sync Gain	2188	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kvar Sync Gain	2190	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	Speed Trim Deadband	2192	Float	4	R W	Hertz	0.05	0 - 1
Bias Control	Volt Trim Deadband	2194	Float	4	R W	Percent	0.1	0 - 2
Bias Control	kW Parallel To Mains Gain	2196	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	kvar Parallel To Mains Gain	2198	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	Trim Voltage	2200	Float	4	R W	Volt	1	0 - 999999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bias Control	TrimVoltage Override 1	2202	Float	4	R W	Volt	1	0 - 999999
Bias Control	Trim Voltage Override 2	2204	Float	4	R W	Volt	1	0 - 999999
Bias Control	Trim Voltage Override 3	2206	Float	4	R W	Volt	1	0 - 999999
Bias Control	Trim Voltage Override 4	2208	Float	4	R W	Volt	1	0 - 999999
Bias Control	Voltage Trim Setpoint Source	2210	Uint32	4	R W		n/a	Rated Voltage=0 Trim Volt Setting=1
Bias Control	Remote Voltage Trim Bias	2212	Uint32	4	R W		n/a	None=0 Local Analog In 1=1 Local Analog In 2=2 Local Analog In 3=3 Local Analog In 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37
Bias Control	Remote Voltage Trim Bias Range Percent	2214	Float	4	R W	Percent	0.1	0 - 100
Bias Control	Breaker Open Delay	2216	Uint32	4	R W	Deciseco nd	1	0 - 600
Bias Control	kW Droop Offset Percent	2218	Float	4	R W	Percent	0.001	0 or 0.5 - 10
Bias Control	kvar Droop Offset Percent	2220	Float	4	R W	Percent	0.001	0 or 0.5 - 10
Bias Control	AVR Inner Controller Error	2222	Float	4	R	n/a	n/a	n/a
Bias Control	AVR Outer Controller Error	2224	Float	4	R	n/a	n/a	n/a
Bias Control	Load Anticipation Enable	2226	Uint32	4	R W	n/a	n/a	Disabled=0, Enabled=1
Bias Control	Load Anticipation, Tla Washout Filter Constant	2228	Float	4	R W	n/a	0.001	0 - 10
Bias Control	Load Anticipation, Tld Lead Filter Constant	2230	Float	4	R W	n/a	0.001	0 - 10
Bias Control	Load Anticipation, Tlg Lag Filter Constant	2232	Float	4	R W	n/a	0.001	0 - 10
Bias Control	Load Anticipation, Power Deadband	2234	Float	4	R W	n/a	0.001	0 - 1
Bias Control	Load Anticipation, Kla Gain	2236	Float	4	R W	n/a	0.001	0 - 1000
Bias Control	Load Anticipation, Max Limit	2238	Float	4	R W	n/a	0.001	0 - 10
Bias Control	Load Anticipation, Min Limit	2240	Float	4	R W	n/a	0.001	-10 - 0
Bias Control	PF Setpoint Max	2242	Uint32	4	R W	n/a	1	160 - 240
Bias Control	PF Setpoint Min	2244	Uint32	4	R W	n/a	1	160 - 240
Bias Control	PF Pre-position 1	2246	Uint32	4	R W	n/a	1	160 - 240
Bias Control	PF Pre-position 2	2248	Uint32	4	R W	n/a	1	160 - 240
Bias Control	PF Pre-position 3	2250	Uint32	4	R W	n/a	1	160 - 240
Bias Control	PF Pre-position 4	2252	Uint32	4	R W	n/a	1	160 - 240
Bias Control	PF Pre-position 5	2254	Uint32	4	R W	n/a	1	160 - 240
Bias Control	Voltage Trim Droop Percent	2256	Float	4	R W	Percent	0.001	0.5 - 10
Bias Control	Voltage Trim Droop Offset	2258	Float	4	R W	Percent	0.001	0 - 10
Bias Control	Speed Trim Droop Percent	2260	Float	4	R W	Percent	0.001	0.5 - 10
Bias Control	Speed Trim Droop Offset	2262	Float	4	R W	Percent	0.001	0 - 10
Bias Control	Var Share Interface	2264	Uint32	4	R W	n/a	n/a	Ethernet Comms=0 Analog Var Share=1
Bias Control	Var Share Input	2266	Uint32	4	R W	n/a	n/a	None=0 Analog Input 1=1 Analog Input 2=2 Analog Input 3=3 Analog Input 4=4 AEM 1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36
Bias Control	Active var Share Interface	2268	Uint32	4	R	n/a	n/a	Ethernet=0 Analog=1
Bias Control	Active Load Share Interface	2270	Uint32	4	R	n/a	n/a	Ethernet=0 Analog=1
Bias Control	Maximum kW Demand	2272	Float	4	R W	Per Unit	0.001	0 - 2
Bias Control	Maximum kvar Demand	2274	Float	4	R W	Per Unit	0.001	0 - 2
Bias Control	Kw Down Ramp Start Percentage	2276	Float	4	R W	Percent	0.1	0 - 100
Bias Control	Kvar Down Ramp Start Percentage	2278	Float	4	R W	Percent	0.1	0 - 100
Bias Control	Active Watt Demand Per Unit	2280	Float	4	R	n/a	n/a	n/a
Bias Control	Active Var Demand Per Unit	2282	Float	4	R	n/a	n/a	n/a
Bias Control Gains Group Handler	Avr Kp Group 0	2284	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Ki Group 0	2286	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Kd Group 0	2288	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Td Group 0	2290	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Avr Loop Gain Group 0	2292	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kp Group 0	2294	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Ki Group 0	2296	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kd Group 0	2298	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Td Group 0	2300	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Gov Loop Gain Group 0	2302	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kp Group 0	2304	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Ki Group 0	2306	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kd Group 0	2308	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Td Group 0	2310	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kvar Loop Gain Group 0	2312	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kp Group 0	2314	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Ki Group 0	2316	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kd Group 0	2318	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Td Group 0	2320	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kw Loop Gain Group 0	2322	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Kp Group 1	2324	Float	4	R W	n/a	0.001	0 - 1000

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bias Control Gains Group Handler	Avr Ki Group 1	2326	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Kd Group 1	2328	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Td Group 1	2330	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Avr Loop Gain Group 1	2332	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kp Group 1	2334	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Ki Group 1	2336	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kd Group 1	2338	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Td Group 1	2340	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Gov Loop Gain Group 1	2342	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kp Group 1	2344	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Ki Group 1	2346	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kd Group 1	2348	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Td Group 1	2350	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kvar Loop Gain Group 1	2352	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kp Group 1	2354	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Ki Group 1	2356	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kd Group 1	2358	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Td Group 1	2360	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kw Loop Gain Group 1	2362	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Kp Group 2	2364	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Ki Group 2	2366	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Kd Group 2	2368	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Td Group 2	2370	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Avr Loop Gain Group 2	2372	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kp Group 2	2374	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Ki Group 2	2376	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kd Group 2	2378	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Td Group 2	2380	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Gov Loop Gain Group 2	2382	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kp Group 2	2384	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Ki Group 2	2386	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kd Group 2	2388	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Td Group 2	2390	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kvar Loop Gain Group 2	2392	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kp Group 2	2394	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Ki Group 2	2396	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kd Group 2	2398	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Td Group 2	2400	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kw Loop Gain Group 2	2402	Float	4	R W	n/a	0.001	0 - 1000

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bias Control Gains Group Handler	Avr Kp Group 3	2404	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Ki Group 3	2406	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Kd Group 3	2408	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Td Group 3	2410	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Avr Loop Gain Group 3	2412	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kp Group 3	2414	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Ki Group 3	2416	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kd Group 3	2418	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Td Group 3	2420	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Gov Loop Gain Group 3	2422	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kp Group 3	2424	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Ki Group 3	2426	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kd Group 3	2428	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Td Group 3	2430	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kvar Loop Gain Group 3	2432	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kp Group 3	2434	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Ki Group 3	2436	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kd Group 3	2438	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Td Group 3	2440	Float	4	R W	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kw Loop Gain Group 3	2442	Float	4	R W	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Kp Active	2444	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Ki Active	2446	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Kd Active	2448	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Avr Td Active	2450	Float	4	R	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Avr Loop Gain Active	2452	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kp Active	2454	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Ki Active	2456	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Kd Active	2458	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Gov Td Active	2460	Float	4	R	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Gov Loop Gain Active	2462	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kp Active	2464	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Ki Active	2466	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Kd Active	2468	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kvar Td Active	2470	Float	4	R	n/a	0.001	0 - 1
Bias Control Gains Group Handler	Kvar Loop Gain Active	2472	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kp Active	2474	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Ki Active	2476	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Kd Active	2478	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Kw Td Active	2480	Float	4	R	n/a	0.001	0 - 1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bias Control Gains Group Handler	Kw Loop Gain Active	2482	Float	4	R	n/a	0.001	0 - 1000
Bias Control Gains Group Handler	Active Gains Group	2484	Uint32	4	R	n/a	na	Group 0=0 Group 1=1 Group 2=2 Group 3=3 Primary=4
VRM Controller Settings	Operating Mode	18000	Uint32	4	R	n/a	n/a	AVR=0, FCR=1
VRM Controller Settings	Rated Field Current Full Load	18002	Float	4	R W	Amp	0.01	0.1 - 3.5
VRM Controller Settings	Rated Field Current No Load	18004	Float	4	R W	Amp	0.01	0.1 - 3.5
VRM Controller Settings	Rated Field Voltage Full Load	18006	Float	4	R W	Volt	0.1	1 - 120
VRM Controller Settings	Rated Field Voltage No Load	18008	Float	4	R W	Volt	0.1	1 - 120
VRM Controller Settings	Avr Setpoint	18010	Float	4	R W	Volt	0.1	1 - 999999
VRM Controller Settings	Avr Min Setpoint Limit	18012	Float	4	R W	Percent	0.1	50 - 200
VRM Controller Settings	Avr Max Setpoint Limit	18014	Float	4	R W	Percent	0.1	50 - 200
VRM Controller Settings	Avr Ramp Rate	18016	Float	4	R W	Percent Per Second	0.1	0.1 - 100
VRM Controller Settings	Avr Pre-position 1	18018	Float	4	R W	Volt	0.1	1 - 999999
VRM Controller Settings	Avr Pre-pos Ramp Rate 1	18020	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Avr Pre-position 2	18022	Float	4	R W	Volt	0.1	1 - 999999
VRM Controller Settings	Avr Pre-pos Ramp Rate 2	18024	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Avr Pre-position 3	18026	Float	4	R W	Volt	0.1	1 - 999999
VRM Controller Settings	Avr Pre-pos Ramp Rate 3	18028	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Avr Pre-position 4	18030	Float	4	R W	Volt	0.1	1 - 999999
VRM Controller Settings	Avr Pre-pos Ramp Rate 4	18032	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Avr Pre-position 5	18034	Float	4	R W	Volt	0.1	1 - 999999
VRM Controller Settings	Avr Pre-pos Ramp Rate 5	18036	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Avr Analog Input Source	18038	Uint32	4	R W		n/a	None=0, Local Analog Input 1=1, Local Analog Input 2=2, Local Analog Input 3=3, Local Analog Input 4=4, AEM 1 Analog In 1=5, AEM 1 Analog In 2=6, AEM 1 Analog In 3=7, AEM 1 Analog In 4=8, AEM 1 Analog In 5=9, AEM 1 Analog In 6=10, AEM 1 Analog In 7=11, AEM 1 Analog In 8=12, AEM 2 Analog In 1=13, AEM 2 Analog In 2=14, AEM 2 Analog In 3=15, AEM 2 Analog In 4=16, AEM 2 Analog In 5=17, AEM 2 Analog In 6=18, AEM 2 Analog In 7=19, AEM 2 Analog In 8=20, AEM 3 Analog In 1=21, AEM 3 Analog In 2=22, AEM 3 Analog In 3=23, AEM 3 Analog In 4=24, AEM 3 Analog In 5=25, AEM 3 Analog In 6=26, AEM 3 Analog In 7=27, AEM 3 Analog In 8=28, AEM 4 Analog In 1=29, AEM 4 Analog In 2=30, AEM 4 Analog In 3=31, AEM 4 Analog In 4=32, AEM 4

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								Analog In 5=33, AEM 4 Analog In 6=34, AEM 4 Analog In 7=35, AEM 4 Analog In 8=36, System Manager=37
VRM Controller Settings	Avr Analog Bias Max	18040	Float	4	R W	Percent	0.1	-100 - 100
VRM Controller Settings	Avr Analog Bias Min	18042	Float	4	R W	Percent	0.1	-100 - 100
VRM Controller Settings	Avr Analog Bias Limited	18044	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Avr Kp	18046	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	Avr Ki	18048	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	Avr Kd	18050	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	Avr Td	18052	Float	4	R W	n/a	0.01	0 - 1
VRM Controller Settings	Avr Ka	18054	Float	4	R W	n/a	0.001	0 - 1
VRM Controller Settings	Fcr Setpoint	18056	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	Fcr Min Setpoint Limit	18058	Float	4	R W	Percent	0.1	0 - 200
VRM Controller Settings	Fcr Max Setpoint Limit	18060	Float	4	R W	Percent	0.1	0 - 200
VRM Controller Settings	Fcr Ramp Rate	18062	Float	4	R W	Percent Per Second	0.1	0.1 - 100
VRM Controller Settings	Fcr Pre-position 1	18064	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	Fcr Pre-pos Ramp Rate 1	18066	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Fcr Pre-position 2	18068	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	Fcr Pre-pos Ramp Rate 2	18070	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Fcr Pre-position 3	18072	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	Fcr Pre-pos Ramp Rate 3	18074	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Fcr Pre-position 4	18076	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	Fcr Pre-pos Ramp Rate 4	18078	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Fcr Pre-position 5	18080	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	Fcr Pre-pos Ramp Rate 5	18082	Float	4	R W	Percent Per Second	0.1	0 - 100
VRM Controller Settings	Fcr Analog Input Source	18084	Uint32	4	R W	n/a	n/a	None=0, Local Analog Input 1=1, Local Analog Input 2=2, Local Analog Input 3=3, Local Analog Input 4=4, AEM 1 Analog In 1=5, AEM 1 Analog In 2=6, AEM 1 Analog In 3=7, AEM 1 Analog In 4=8, AEM 1 Analog In 5=9, AEM 1 Analog In 6=10, AEM 1 Analog In 7=11, AEM 1 Analog In 8=12, AEM 2 Analog In 1=13, AEM 2 Analog In 2=14, AEM 2 Analog In 3=15, AEM 2 Analog In 4=16, AEM 2 Analog In 5=17, AEM 2 Analog In 6=18, AEM 2 Analog In 7=19, AEM 2 Analog In 8=20, AEM 3 Analog In 1=21, AEM 3 Analog In 2=22, AEM 3 Analog In 3=23, AEM 3 Analog In 4=24, AEM 3 Analog In 5=25, AEM 3 Analog In 6=26, AEM 3 Analog In 7=27, AEM 3

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								Analog In 8=28, AEM 4 Analog In 1=29, AEM 4 Analog In 2=30, AEM 4 Analog In 3=31, AEM 4 Analog In 4=32, AEM 4 Analog In 5=33, AEM 4 Analog In 6=34, AEM 4 Analog In 7=35, AEM 4 Analog In 8=36, System Manager=37
VRM Controller Settings	Fcr Analog Bias Max	18086	Float	4	R W	Percent	0.1	-100 - 100
VRM Controller Settings	Fcr Analog Bias Min	18088	Float	4	R W	Percent	0.1	-100 - 100
VRM Controller Settings	Fcr Analog Bias Limited	18090	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Fcr Kp	18092	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	Fcr Ki	18094	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	Fcr Kd	18096	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	Fcr Td	18098	Float	4	R W	n/a	0.01	0 - 1
VRM Controller Settings	Fcr Ka	18100	Float	4	R W	n/a	0.001	0 - 1
VRM Controller Settings	Droop Enabled	18102	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Droop Ref	18104	Float	4	R W	Percent	0.1	0 - 30
VRM Controller Settings	Line Drop Enabled	18106	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Line Drop Ref	18108	Float	4	R W	Percent	0.1	0 - 30
VRM Controller Settings	Cross Current Enabled	18110	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Cross Current Ref	18112	Float	4	R W	Percent	0.01	-30 - 30
VRM Controller Settings	Cross Current CT Connection	18114	Uint32	4	R W	n/a	n/a	A=0 B=1 C=2
VRM Controller Settings	OEL Mode	18116	Uint32	4	R W	n/a	n/a	Disabled=0 Summing Point=1 Takeover=2
VRM Controller Settings	OEL Summing Offline High Level	18118	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Summing Offline High Time	18120	Float	4	R W	Second Time	0.1	0 - 120
VRM Controller Settings	OEL Summing Offline Low Level	18122	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Summing Online DVDt Enabled	18124	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	OEL Summing Online DVDt Level	18126	Float	4	R W	n/a	0.01	-10 - 0
VRM Controller Settings	OEL Summing Online High Level	18128	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Summing Online High Time	18130	Float	4	R W	Second Time	0.1	0 - 120
VRM Controller Settings	OEL Summing Online Mid Level	18132	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Summing Online Mid Time	18134	Float	4	R W	Second Time	0.1	0 - 120
VRM Controller Settings	OEL Summing Online Low Level	18136	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Takeover Offline High	18138	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Takeover Offline Low	18140	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Takeover Offline TD	18142	Float	4	R W	n/a	0.01	0.1 - 20
VRM Controller Settings	OEL Takeover Offline RC	18144	Float	4	R W	n/a	0.01	0.01 - 100
VRM Controller Settings	OEL Takeover Offline Reset Method	18146	Uint32	4	R W	n/a	n/a	Inverse Timing=0 Integrating=1 Instantaneous=2
VRM Controller Settings	OEL Takeover Online High	18148	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Takeover Online Low	18150	Float	4	R W	Amp	0.01	0 - 3.5
VRM Controller Settings	OEL Takeover Online TD	18152	Float	4	R W	n/a	0.01	0.1 - 20

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
VRM Controller Settings	OEL Takeover Online RC	18154	Float	4	R W	n/a	0.01	0.01 - 100
VRM Controller Settings	OEL Takeover Online Reset Method	18156	Uint32	4	R W	n/a	n/a	Inverse Timing=0 Integrating=1 Instantaneous=2
VRM Controller Settings	OEL Takeover Ki	18158	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	OEL Takeover Kg	18160	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	UEL Enabled	18162	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	UEL Real Power Filter	18164	Float	4	R W	Second Time	0.1	0 - 20
VRM Controller Settings	UEL Curve Type Selection	18166	Uint32	4	R W	n/a	n/a	Internal=0 Custom=1
VRM Controller Settings	UEL Internal Curve Constant	18168	Float	4	R W	KiloVar	0.01	0 - 1000000
VRM Controller Settings	UEL Curve KW 1	18170	Float	4	R W	KiloWatt	0.01	0 - 1000000
VRM Controller Settings	UEL Curve Kvar 1	18172	Float	4	R W	KiloVar	0.01	0 - 1000000
VRM Controller Settings	UEL Curve KW 2	18174	Float	4	R W	KiloWatt	0.01	0 - 1000000
VRM Controller Settings	UEL Curve Kvar 2	18176	Float	4	R W	KiloVar	0.01	0 - 1000000
VRM Controller Settings	UEL Curve KW 3	18178	Float	4	R W	KiloWatt	0.01	0 - 1000000
VRM Controller Settings	UEL Curve Kvar 3	18180	Float	4	R W	KiloVar	0.01	0 - 1000000
VRM Controller Settings	UEL Curve KW 4	18182	Float	4	R W	KiloWatt	0.01	0 - 1000000
VRM Controller Settings	UEL Curve Kvar 4	18184	Float	4	R W	KiloVar	0.01	0 - 1000000
VRM Controller Settings	UEL Curve KW 5	18186	Float	4	R W	KiloWatt	0.01	0 - 1000000
VRM Controller Settings	UEL Curve Kvar 5	18188	Float	4	R W	KiloVar	0.01	0 - 1000000
VRM Controller Settings	UEL Ki	18190	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	UEL Kg	18192	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	Underfrequency Limiter Mode	18194	Uint32	4	R W	n/a	n/a	Disabled=0 Underfrequency=1 V/Hz=2
VRM Controller Settings	Underfrequency Minimum Voltage	18196	Float	4	R W	Volt	1	1 - 999999
VRM Controller Settings	Underfrequency Shutdown Frequency	18198	Float	4	R W	Hertz	0.1	0;10 - 75
VRM Controller Settings	Underfrequency Mode Corner 1	18200	Float	4	R W	Hertz	0.1	10 - 75
VRM Controller Settings	Underfrequency Mode Corner 2	18202	Float	4	R W	Hertz	0.1	10 - 75
VRM Controller Settings	Underfrequency Mode Slope 1	18204	Float	4	R W	n/a	0.01	0 - 3
VRM Controller Settings	Underfrequency Mode Slope 2	18206	Float	4	R W	n/a	0.01	0 - 3
VRM Controller Settings	V/Hz Mode High Limiter	18208	Float	4	R W	n/a	0.01	0 - 3
VRM Controller Settings	V/Hz Mode High Time	18210	Float	4	R W	Second Time	0.1	0 - 10
VRM Controller Settings	V/Hz ModeLowLimiter	18212	Float	4	R W	n/a	0.01	0 - 3
VRM Controller Settings	Internal Tracking Enabled	18214	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Auto Tracking Time Delay	18216	Float	4	R W	Second Time	0.1	0 - 8
VRM Controller Settings	Auto Tracking Ramp Rate	18218	Float	4	R W	Percent Per Second	0.1	0.1 - 100
VRM Controller Settings	Soft Start Bias	18220	Float	4	R W	Percent	0.1	0 - 90
VRM Controller Settings	Soft Start Time	18222	Float	4	R W	Second Time	1	1 - 7200
VRM Controller Settings	Pre-position 1 Enable	18224	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Pre-position 2 Enable	18226	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Pre-position 3 Enable	18228	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Pre-position 4 Enable	18230	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
VRM Controller Settings	Pre-position 5 Enable	18232	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Start Enable	18234	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Stop Enable	18236	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Loss Of Sensing Transfer To Fcr	18238	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Avr Enable	18240	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Fcr Enable	18242	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Gen Below 10 Hz Pre-Alarm Enable	18244	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Avr Auto Save	18246	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Fcr Auto Save	18248	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Setpoint fine raise	18250	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	Setpoint fine lower	18252	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
VRM Controller Settings	GainOption	18254	Uint32	4	R W	n/a	n/a	T'do=1.0 Te=0.17=1 T'do=1.5 Te=0.25=2 T'do=2.0 Te=0.33=3 T'do=2.5 Te=0.42=4 T'do=3.0 Te=0.50=5 T'do=3.5 Te=0.58=6 T'do=4.0 Te=0.67=7 T'do=4.5 Te=0.75=8 T'do=5.0 Te=0.83=9 T'do=5.5 Te=0.92=10 T'do=6.0 Te=1.00=11 T'do=6.5 Te=1.08=12 T'do=7.0 Te=1.17=13 T'do=7.5 Te=1.25=14 T'do=8.0 Te=1.33=15 T'do=8.5 Te=1.42=16 T'do=9.0 Te=1.50=17 T'do=9.5 Te=1.58=18 T'do=10.0 Te=1.67=19 T'do=10.5 Te=1.75=20 Custom=21
VRM Controller Settings	Outer Loop Bias Gain	18256	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	Outer Loop Bias Limit	18258	Float	4	R W	Percent	0.1	0 - 100
VRM Controller Settings	OEL Takeover Filter Time Constant	18260	Float	4	R W	n/a	0.01	0 - 100
VRM Controller Settings	OEL Takeover Activation Delay	18262	Float	4	R W	Second Time	0.01	0 - 100
VRM Controller Settings	OEL Takeover Hysteresis	18264	Float	4	R W	Percent	0.1	0.1 - 100
VRM Controller Settings	OEL Summing Ki	18266	Float	4	R W	n/a	0.001	0 - 1000
VRM Controller Settings	OEL Summing Kg	18268	Float	4	R W	n/a	0.001	0 - 1000



5 • Breaker Settings Register Table

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-1	Open Mains Breaker On Trip	SG0	2500	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Mains Breaker On Trip	SG1	2502	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Mains Breaker On Trip	SG2	2504	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Mains Breaker On Trip	SG3	2506	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Mains Breaker On Trip	SG0	2508	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Mains Breaker On Trip	SG1	2510	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Mains Breaker On Trip	SG2	2512	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Mains Breaker On Trip	SG3	2514	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Mains Breaker On Trip	SG0	2516	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Mains Breaker On Trip	SG1	2518	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Mains Breaker On Trip	SG2	2520	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Mains Breaker On Trip	SG3	2522	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Mains Breaker On Trip	SG0	2524	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Mains Breaker On Trip	SG1	2526	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Mains Breaker On Trip	SG2	2528	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Mains Breaker On Trip	SG3	2530	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Mains Breaker On Trip	SG0	2532	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Mains Breaker On Trip	SG1	2534	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Mains Breaker On Trip	SG2	2536	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Mains Breaker On Trip	SG3	2538	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Mains Breaker On Trip	SG0	2540	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Mains Breaker On Trip	SG1	2542	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Mains Breaker On Trip	SG2	2544	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Mains Breaker On Trip	SG3	2546	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Mains Breaker On Trip	SG0	2548	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Mains Breaker On Trip	SG1	2550	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Mains Breaker On Trip	SG2	2552	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Mains Breaker On Trip	SG3	2554	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Mains Breaker On Trip	SG0	2556	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Mains Breaker On Trip	SG1	2558	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Mains Breaker On Trip	SG2	2560	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Mains Breaker On Trip	SG3	2562	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Mains Breaker On Trip	SG0	2564	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Mains Breaker On Trip	SG1	2566	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Mains Breaker On Trip	SG2	2568	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Mains Breaker On Trip	SG3	2570	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Mains Breaker On Trip	SG0	2572	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
78-2	Open Mains Breaker On Trip	SG1	2574	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Mains Breaker On Trip	SG2	2576	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Mains Breaker On Trip	SG3	2578	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Management	Dead Bus Close Enable	GG	2580	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Management	Dead Gen Close Enable	GG	2582	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Management	In Phase Monitor Enable	GG	2584	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Management	Breaker Close Fail Time	GG	2586	Uint32	4	R W	Millisecond	100	100 - 600000
Breaker Management	Close Fail Pre-Alarm Enable	GG	2588	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Management	Open Fail Pre-Alarm Enable	GG	2590	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Management	Close Fail Pre-Alarm Monitor	GG	2592	Uint32	4	R W	n/a	n/a	Transition Only=0 Always=1
Breaker Management	Open Fail Pre-Alarm Monitor	GG	2594	Uint32	4	R W	n/a	n/a	Transition Only=0 Always=1
Breaker Management	Mains Breaker Bus Live Close Enable	GG	2596	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Management	Breaker System Config	GG	2598	Uint32	4	R W	n/a	n/a	None=0 GB=1 GB-MB=2 GB-MB with Load Sensing=3 GB-GGB=4 GB-GGB w/Load Sensing=5 GB-GGB-MB=6 GB-System Bus=7 GB-GGB-System Bus=8 TB=9 GB-TB=10 TB-TB=11 TB-G-TB=12 Breaker Monitor=13
Sync	Sync Fail Pre-Alarm Enable	GG	2600	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Sync	Source Volt Greater Than Destination Volt	GG	2602	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Sync	Voltage Difference	GG	2604	Float	4	R W	Percent	0.1	2 - 15
Sync	Synchronizer Type	GG	2606	Uint32	4	R W	n/a	n/a	Anticipatory=0 Phase Lock Loop=1
Sync	Volt Error Gain	GG	2608	Float	4	R W	n/a	0.001	0.001 - 1000
Sync	Speed Error Gain	GG	2610	Float	4	R W	n/a	0.001	0.001 - 1000
Sync	Max Slip Control Limit	GG	2612	Float	4	R W	Hertz	0.01	0 - 10
Sync	Min Slip Control Limit	GG	2614	Float	4	R W	Hertz	0.01	0 - 10
Sync	Slip Frequency	GG	2616	Float	4	R W	Hertz	0.01	0.01 - 0.5
Sync	Source Freq Greater Than Destination Freq	GG	2618	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Sync	Closing Angle	GG	2620	Float	4	R W	Degree	0.1	3 - 20
Sync	Sync Fail Activation Delay	GG	2622	Uint32	4	R W	Millisecond	100	100 - 600000
Sync	Activation Delay	GG	2624	Uint32	4	R W	Millisecond	100	100 - 800
Sync	Sync Mode	GG	2626	Uint32	4	R W	n/a	n/a	Sync Active=0 Sync Check=1 Sync Only=2
Generator Breaker	Continuous Output	GG	2628	Uint32	4	R W	n/a	n/a	Pulse=0 Continuous=1
Generator Breaker	Open Pulse Time	GG	2630	Uint32	4	R W	Millisecond	10	10 - 10000
Generator Breaker	Close Pulse Time	GG	2632	Uint32	4	R W	Millisecond	10	10 - 10000
Generator Breaker	Breaker Close Time	GG	2634	Uint32	4	R W	Millisecond	1	0 - 1000
Generator Breaker	Configured	GG	2636	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Generator Breaker	Source Bus	GG	2638	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
Generator Breaker	Destination Bus	GG	2640	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Generator Breaker	Transition Delay	GG	2642	Float	4	R W	Second	0.01	0 - 10
Generator Breaker	External Status Change Action	GG	2644	Uint32	4	R W	n/a	n/a	Ignore=0 Follow Always=1 Follow In Auto=2
Generator Breaker	Open Attempts	GG	2646	Uint32	4	R W	n/a	1	1 - 20
Generator Breaker	Close Attempts	GG	2648	Uint32	4	R W	n/a	1	1 - 20
Generator Breaker	Retry Delay	GG	2650	Uint32	4	R W	Second	1	0 - 1200
Generator Breaker	Fail Output Config	GG	2652	Uint32	4	R W	n/a	n/a	Retain=0 Remove=1
Mains Breaker	Continuous Output	GG	2654	Uint32	4	R W	n/a	n/a	Pulse=0 Continuous=1
Mains Breaker	Open Pulse Time	GG	2656	Uint32	4	R W	Millisecond	10	10 - 10000
Mains Breaker	Close Pulse Time	GG	2658	Uint32	4	R W	Millisecond	10	10 - 10000
Mains Breaker	Breaker Close Time	GG	2660	Uint32	4	R W	Millisecond	1	0 - 1000
Mains Breaker	Configured	GG	2662	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Mains Breaker	Source Bus	GG	2664	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
Mains Breaker	Destination Bus	GG	2666	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
Mains Breaker	Transition Delay	GG	2668	Float	4	R W	Second	0.01	0 - 10
Mains Breaker	External Status Change Action	GG	2670	Uint32	4	R W	n/a	n/a	Ignore=0 Follow Always=1 Follow In Auto=2
Mains Breaker	Open Attempts	GG	2672	Uint32	4	R W	n/a	1	1 - 20
Mains Breaker	Close Attempts	GG	2674	Uint32	4	R W	n/a	1	1 - 20
Mains Breaker	Retry Delay	GG	2676	Uint32	4	R W	Second	1	0 - 1200
Mains Breaker	Fail Output Config	GG	2678	Uint32	4	R W	n/a	n/a	Retain=0 Remove=1
Breaker Local Request Generation	Transfer Enabled	GG	2680	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Local Request Generation	Closed Transfer Enabled	GG	2682	Uint32	4	R W	n/a	n/a	Open=0 Closed=1
Breaker Local Request Generation	Reverse Rotation Mains Fail Transfer Inhibit	GG	2684	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Local Request Generation	Return Delay	GG	2686	Uint32	4	R W	Second	1	0 - 1800
Breaker Local Request Generation	Transfer Delay	GG	2688	Uint32	4	R W	Second	1	0 - 300
Breaker Local Request Generation	Max Transfer Time	GG	2690	Uint32	4	R W	Second	1	10 - 120
Breaker Local Request Generation	Max Parallel Time	GG	2692	Uint32	4	R W	Decisecond	1	1 - 100000
Breaker Local Request Generation	Alarm State Transfer To Mains	GG	2694	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Local Request Generation	Mains Breaker Open Config	GG	2696	Uint32	4	R W	n/a	n/a	Generator Start=0 Generator Stable=1
Breaker Local Request Generation	Mains Zero Power Flow Level	GG	2698	Uint32	4	R W	Percent	1	1 - 100
Breaker Local Request Generation	Open Transition Delay	GG	2700	Uint32	4	R W	Decisecond	1	0 - 100,000
Breaker Local Request Generation	Transfer Delay Timer	GG	2702	Uint32	4	R	Second	1	0 - 300

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Breaker Local Request Generation	Mains Transfer State	GG	2704	Uint32	4	R	n/a	n/a	Start=0 Trans to Disabled=1 Disabled=2 Transf Tmr Active=3 Transfer To Gens=4 Power From Gens=5 Return Timer Active=6 Transfer To Mains=7 Power From Mains=8
Breaker Local Request Generation	Open Transition Delay Timer	GG	2706	Uint32	4	R	Decisecond	1	0 - 36000
Breaker Local Request Generation	Return Delay Timer	GG	2708	Uint32	4	R	Second	1	0 - 1800
Breaker Local Request Generation	Max Transfer Time Timer	GG	2710	Uint32	4	R	Second	1	0 - 10
Breaker Local Request Generation	Max Parallel Time Timer	GG	2712	Uint32	4	R	Decisecond	1	1 - 100000
Breaker Local Request Generation	Max Return Time Timer	GG	2714	Uint32	4	R	Second	1	0 - 10
81-1	Open Group Breaker On Trip	SG0	2716	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Group Breaker On Trip	SG1	2718	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Group Breaker On Trip	SG2	2720	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Group Breaker On Trip	SG3	2722	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Group Breaker On Trip	SG0	2724	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Group Breaker On Trip	SG1	2726	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Group Breaker On Trip	SG2	2728	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Group Breaker On Trip	SG3	2730	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Group Breaker On Trip	SG0	2732	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Group Breaker On Trip	SG1	2734	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Group Breaker On Trip	SG2	2736	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Group Breaker On Trip	SG3	2738	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Group Breaker On Trip	SG0	2740	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Group Breaker On Trip	SG1	2742	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Group Breaker On Trip	SG2	2744	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Group Breaker On Trip	SG3	2746	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Group Breaker On Trip	SG0	2748	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Group Breaker On Trip	SG1	2750	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Group Breaker On Trip	SG2	2752	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Group Breaker On Trip	SG3	2754	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Group Breaker On Trip	SG0	2756	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Group Breaker On Trip	SG1	2758	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Group Breaker On Trip	SG2	2760	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Group Breaker On Trip	SG3	2762	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Group Breaker On Trip	SG0	2764	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Group Breaker On Trip	SG1	2766	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Group Breaker On Trip	SG2	2768	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Group Breaker On Trip	SG3	2770	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Breaker Settings Register Table

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-8	Open Group Breaker On Trip	SG0	2772	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Group Breaker On Trip	SG1	2774	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Group Breaker On Trip	SG2	2776	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Group Breaker On Trip	SG3	2778	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Group Breaker On Trip	SG0	2780	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Group Breaker On Trip	SG1	2782	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Group Breaker On Trip	SG2	2784	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Group Breaker On Trip	SG3	2786	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Group Breaker On Trip	SG0	2788	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Group Breaker On Trip	SG1	2790	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Group Breaker On Trip	SG2	2792	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Group Breaker On Trip	SG3	2794	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Managment	Swap Bus1 Bus2	GG	2796	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Managment	Group Breaker Bus Live Close Enable	GG	2798	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Managment	Dead Group Close Enable	GG	2800	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Managment	Active Breaker System Config	GG	2802	Uint32	4	R	n/a	n/a	None=0 GB=1 GB-MB=2 GB-MB w/Load Sense=3 GB-GGB=4 GB-GGB w/Load Sense=5 GB-GGB-MB=6 GB-System Bus=7 GB-GGB-System Bus=8 TB=9 GB-TB=10 TB-TB=11 TB-G-TB=12 Breaker Monitor=13
Breaker Managment	Mains Breaker Mains Close Enable	GG	2804	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Managment	Mains Breaker Open Delay	GG	2806	Uint32	4	R W	Decisecond	1	0 - 600
Breaker Managment	Group Breaker Open Delay	GG	2808	Uint32	4	R W	Decisecond	1	0 - 600
Sync	Group Speed Gain	GG	2810	Float	4	R W	n/a	0.001	0.001 - 1000
Sync	Group Voltage Gain	GG	2812	Float	4	R W	n/a	0.001	0.001 - 1000
Sync	Sync Check Source Volt Greater Than Dest Volt	GG	2814	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Sync	Sync Check Voltage Difference	GG	2816	Float	4	R W	Percent	0.1	2 - 15
Sync	Sync Check Synchronizer Type	GG	2818	Uint32	4	R W	n/a	n/a	Anticipatory=0 Phase Lock Loop=1
Sync	Sync Check Slip Frequency	GG	2820	Float	4	R W	Hertz	0.01	0.01 - 0.5
Sync	Sync Check Source Freq Greater Than Dest Freq	GG	2822	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Sync	Sync Check Closing Angle	GG	2824	Float	4	R W	Degree	0.1	3 - 20
Sync	Sync Check Sync Fail ActivationDelay	GG	2826	Uint32	4	R W	Millisecond	100	100 - 600000
Sync	Sync Check Activation Delay	GG	2828	Uint32	4	R W	Millisecond	100	100 - 800
Gen Breaker	Phase Angle Compensation	GG	2830	Float	4	R W	Degree	1	-180 - 180
Mains Breaker	Phase Angle Compensation	GG	2832	Float	4	R W	Degree	1	-180 - 180

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Breaker Local Request Generation	Max Return Time	GG	2834	UInt32	4	R W	Second	1	0 - 10
Group Breaker	Continuous Output	GG	2836	UInt32	4	R W	n/a	n/a	Pulse=0 Continuous=1
Group Breaker	Open Pulse Time	GG	2838	UInt32	4	R W	Millisecond	10	10 - 10000
Group Breaker	Close Pulse Time	GG	2840	UInt32	4	R W	Millisecond	10	10 - 10000
Group Breaker	Breaker Close Time	GG	2842	UInt32	4	R W	Millisecond	1	0 - 1000
Group Breaker	Configured	GG	2844	UInt32	4	R	n/a	n/a	Not Configured=0 Configured=1
Group Breaker	Source Bus	GG	2846	UInt32	4	R	n/a	n/a	Gen=0 Bus1=1 Bus2=2
Group Breaker	Destination Bus	GG	2848	UInt32	4	R	n/a	n/a	Gen=0 Bus1=1 Bus2=2
Group Breaker	Transition Delay	GG	2850	Float	4	R W	Second	0.001	0 - 10
Group Breaker	External Status Change Action	GG	2852	UInt32	4	R W	n/a	n/a	Ignore=0 Follow Always=1 Follow In Auto=2
Group Breaker	Open Attempts	GG	2854	UInt32	4	R W	n/a	1	1 - 20
Group Breaker	Close Attempts	GG	2856	UInt32	4	R W	n/a	1	1 - 20
Group Breaker	Retry Delay	GG	2858	UInt32	4	R W	Second	1	0 - 1200
Group Breaker	Fail Output Config	GG	2860	UInt32	4	R W	n/a	n/a	Retain=0 Remove=1
Group Breaker	Phase Angle Compensation	GG	2862	Float	4	R W	Degree	1	-180 - 180
Tie Breaker	Continuous Output	GG	2864	UInt32	4	R W		n/a	Pulse=0 Continuous=1
Tie Breaker	Open Pulse Time	GG	2866	UInt32	4	R W	Millisecond	10	10 - 10000
Tie Breaker	Close Pulse Time	GG	2868	UInt32	4	R W	Millisecond	10	10 - 10000
Tie Breaker	Breaker Close Time	GG	2870	UInt32	4	R W	Millisecond	1	0 - 1000
Tie Breaker	Configured	GG	2872	UInt32	4	R	n/a	n/a	Not Configured=0 Configured=1
Tie Breaker	Source Bus	GG	2874	UInt32	4	R	n/a	n/a	Gen=0 Bus1=1 Bus2=2
Tie Breaker	Destination Bus	GG	2876	UInt32	4	R	n/a	n/a	Gen=0 Bus1=1 Bus2=2
Tie Breaker	Transition Delay	GG	2878	Float	4	R W	Second	0.01	0 - 10
Tie Breaker	External Status Change Action	GG	2880	UInt32	4	R W	n/a	n/a	Ignore=0 Follow Always=1 Follow In Auto=2
Tie Breaker	Open Attempts	GG	2882	UInt32	4	R W	n/a	1	1 - 20
Tie Breaker	Close Attempts	GG	2884	UInt32	4	R W	n/a	1	1 - 20
Tie Breaker	Retry Delay	GG	2886	UInt32	4	R W	Second	1	0 - 1200
Tie Breaker	Fail Output Config	GG	2888	UInt32	4	R W	n/a	n/a	Retain=0 Remove=1
Tie Breaker	Phase Angle Compensation	GG	2890	Float	4	R W	Degree	1	-180 - 180
81-1	Open Gen Breaker On Trip	SG0	2892	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Gen Breaker On Trip	SG1	2894	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Gen Breaker On Trip	SG2	2896	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-1	Open Gen Breaker On Trip	SG3	2898	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Gen Breaker On Trip	SG0	2900	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Gen Breaker On Trip	SG1	2902	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Gen Breaker On Trip	SG2	2904	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-2	Open Gen Breaker On Trip	SG3	2906	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Gen Breaker On Trip	SG0	2908	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Gen Breaker On Trip	SG1	2910	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Gen Breaker On Trip	SG2	2912	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-3	Open Gen Breaker On Trip	SG3	2914	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Gen Breaker On Trip	SG0	2916	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Breaker Settings Register Table

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-4	Open Gen Breaker On Trip	SG1	2918	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Gen Breaker On Trip	SG2	2920	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-4	Open Gen Breaker On Trip	SG3	2922	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Gen Breaker On Trip	SG0	2924	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Gen Breaker On Trip	SG1	2926	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Gen Breaker On Trip	SG2	2928	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-5	Open Gen Breaker On Trip	SG3	2930	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Gen Breaker On Trip	SG0	2932	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Gen Breaker On Trip	SG1	2934	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Gen Breaker On Trip	SG2	2936	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-6	Open Gen Breaker On Trip	SG3	2938	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Gen Breaker On Trip	SG0	2940	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Gen Breaker On Trip	SG1	2942	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Gen Breaker On Trip	SG2	2944	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-7	Open Gen Breaker On Trip	SG3	2946	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Gen Breaker On Trip	SG0	2948	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Gen Breaker On Trip	SG1	2950	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Gen Breaker On Trip	SG2	2952	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
81-8	Open Gen Breaker On Trip	SG3	2954	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Gen Breaker On Trip	SG0	2956	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Gen Breaker On Trip	SG1	2958	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Gen Breaker On Trip	SG2	2960	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Open Gen Breaker On Trip	SG3	2962	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Gen Breaker On Trip	SG0	2964	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Gen Breaker On Trip	SG1	2966	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Gen Breaker On Trip	SG2	2968	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Open Gen Breaker On Trip	SG3	2970	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker 2	Continuous Output	GG	2972	Uint32	4	R W	n/a	n/a	Pulse=0 Continuous=1
Tie Breaker 2	Open Pulse Time	GG	2974	Uint32	4	R W	Millisecond	10	10 - 10000
Tie Breaker 2	Close Pulse Time	GG	2976	Uint32	4	R W	Millisecond	10	10 - 10000
Tie Breaker 2	Breaker Close Time	GG	2978	Uint32	4	R W	Millisecond	1	0 - 1000
Tie Breaker 2	Configured	GG	2980	Uint32	4	R	n/a	n/a	Not Configured=0 Configured=1
Tie Breaker 2	Source Bus	GG	2982	Uint32	4	R	n/a	n/a	Gen=0 Bus1=1 Bus2=2
Tie Breaker 2	Destination Bus	GG	2984	Uint32	4	R	n/a	n/a	Gen=0 Bus1=1 Bus2=2
Tie Breaker 2	Transition Delay	GG	2986	Float	4	R W	Second	0.01	0 - 10
Tie Breaker 2	External Status Change Action	GG	2988	Uint32	4	R W	n/a	n/a	Ignore=0 Follow Always=1 Follow In Auto=2
Tie Breaker 2	Open Attempts	GG	2990	Uint32	4	R W	n/a	1	1 - 20
Tie Breaker 2	Close Attempts	GG	2992	Uint32	4	R W	n/a	1	1 - 20
Tie Breaker 2	Retry Delay	GG	2994	Uint32	4	R W	Second	1	0 - 1200
Tie Breaker 2	Fail Output Config	GG	2996	Uint32	4	R W	n/a	n/a	Retain=0 Remove=1
Tie Breaker 2	Phase Angle Compensation	GG	2998	Float	4	R W	Degree	1	-180 – 180

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Monitored Breaker 1	Configured	GG	19000	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Monitored Breaker 1	Gen Group Number Side A	GG	19002	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 1	Group Segment Number Side A	GG	19004	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 1	Gen Group Number Side B	GG	19006	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 1	Group Segment Number Side B	GG	19008	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 2	Configured	GG	19010	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Monitored Breaker 2	Gen Group Number Side A	GG	19012	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 2	Group Segment Number Side A	GG	19014	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 2	Gen Group Number Side B	GG	19016	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 2	Group Segment Number Side B	GG	19018	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 3	Configured	GG	19020	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Monitored Breaker 3	Gen Group Number Side A	GG	19022	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 3	Group Segment Number Side A	GG	19024	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 3	Gen Group Number Side B	GG	19026	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 3	Group Segment Number Side B	GG	19028	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 4	Configured	GG	19030	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Monitored Breaker 4	Gen Group Number Side A	GG	19032	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 4	Group Segment Number Side A	GG	19034	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 4	Gen Group Number Side B	GG	19036	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 4	Group Segment Number Side B	GG	19038	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Monitored Breaker 5	Configured	GG	19040	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Monitored Breaker 5	Gen Group Number Side A	GG	19042	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 5	Group Segment Number Side A	GG	19044	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 5	Gen Group Number Side B	GG	19046	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 5	Group Segment Number Side B	GG	19048	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 6	Configured	GG	19050	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Monitored Breaker 6	Gen Group Number Side A	GG	19052	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 6	Group Segment Number Side A	GG	19254	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 6	Gen Group Number Side B	GG	19056	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 6	Group Segment Number Side B	GG	19058	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 7	Configured	GG	19060	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Monitored Breaker 7	Gen Group Number Side A	GG	19062	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 7	Group Segment Number Side A	GG	19064	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 7	Gen Group Number Side B	GG	19066	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 7	Group Segment Number Side B	GG	19068	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 8	Configured	GG	19070	Uint32	4	R W	n/a	n/a	Not Configured=0 Configured=1
Monitored Breaker 8	Gen Group Number Side A	GG	19072	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 8	Group Segment Number Side A	GG	19074	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31
Monitored Breaker 8	Gen Group Number Side B	GG	19076	Uint32	4	R W	n/a	1	1 - 32
Monitored Breaker 8	Group Segment Number Side B	GG	19078	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3 4=4 5=5 6=6 7=7 8=8 9=9 10=10 11=11 12=12 13=13 14=14 15=15 16=16 17=17 18=18 19=19 20=20 21=21 22=22 23=23 24=24 25=25 26=26 27=27 28=28 29=29 30=30 31=31



6 • Bus Condition Register Table

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Gen Condition	Dead Pickup	SG0 1P	3000	Float	4	R W	Volt	1	0 - 999999
Gen Condition	Dead Time Delay	SG0 1P	3002	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG0 1P	3004	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Undervoltage Dropout	SG0 1P	3006	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Pickup	SG0 1P	3008	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Dropout	SG0 1P	3010	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Underfrequency Pickup	SG0 1P	3012	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG0 1P	3014	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG0 1P	3016	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG0 1P	3018	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Time Delay	SG0 1P	3020	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Fail Time Delay	SG0 1P	3022	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Low-Line Scale	SG0 1P	3024	Float	4	R W	n/a	0.001	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG0 1P	3026	Float	4	R W	n/a	0.001	0.001 - 100
Gen Condition	Dead Pickup	SG0 3P	3028	Float	4	R W	Volt	1	0 - 999999
Gen Condition	Dead Time Delay	SG0 3P	3030	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG0 3P	3032	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Undervoltage Dropout	SG0 3P	3034	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Pickup	SG0 3P	3036	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Dropout	SG0 3P	3038	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Underfrequency Pickup	SG0 3P	3040	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG0 3P	3042	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG0 3P	3044	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG0 3P	3046	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Time Delay	SG0 3P	3048	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Fail Time Delay	SG0 3P	3050	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Low-Line Scale	SG0 3P	3052	Float	4	R W	n/a	0.001	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG0 3P	3054	Float	4	R W	n/a	0.001	0.001 - 100
Gen Condition	Dead Pickup	SG1 1P	3056	Float	4	R W	Volt	1	0 - 999999
Gen Condition	Dead Time Delay	SG1 1P	3058	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG1 1P	3060	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Undervoltage Dropout	SG1 1P	3062	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Pickup	SG1 1P	3064	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Dropout	SG1 1P	3066	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Underfrequency Pickup	SG1 1P	3068	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG1 1P	3070	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG1 1P	3072	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG1 1P	3074	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Time Delay	SG1 1P	3076	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Fail Time Delay	SG1 1P	3078	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Low-Line Scale	SG1 1P	3080	Float	4	R W	n/a	0.001	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG1 1P	3082	Float	4	R W	n/a	0.001	0.001 - 100
Gen Condition	Dead Pickup	SG1 3P	3084	Float	4	R W	Volt	1	0 - 999999
Gen Condition	Dead Time Delay	SG1 3P	3086	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG1 3P	3088	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Undervoltage Dropout	SG1 3P	3090	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Pickup	SG1 3P	3092	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Dropout	SG1 3P	3094	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Underfrequency Pickup	SG1 3P	3096	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG1 3P	3098	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG1 3P	3100	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG1 3P	3102	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Time Delay	SG1 3P	3104	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Fail Time Delay	SG1 3P	3106	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Low-Line Scale	SG1 3P	3108	Float	4	R W	n/a	0.001	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG1 3P	3110	Float	4	R W	n/a	0.001	0.001 - 100
Gen Condition	Dead Pickup	SG2 1P	3112	Float	4	R W	Volt	1	0 - 999999
Gen Condition	Dead Time Delay	SG2 1P	3114	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG2 1P	3116	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Undervoltage Dropout	SG2 1P	3118	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Pickup	SG2 1P	3120	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Dropout	SG2 1P	3122	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Underfrequency Pickup	SG2 1P	3124	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG2 1P	3126	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG2 1P	3128	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG2 1P	3130	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Time Delay	SG2 1P	3132	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Fail Time Delay	SG2 1P	3134	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Low-Line Scale	SG2 1P	3136	Float	4	R W	n/a	0.001	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG2 1P	3138	Float	4	R W	n/a	0.001	0.001 - 100
Gen Condition	Dead Pickup	SG2 3P	3140	Float	4	R W	Volt	1	0 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Gen Condition	Dead Time Delay	SG2 3P	3142	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG2 3P	3144	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Undervoltage Dropout	SG2 3P	3146	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Pickup	SG2 3P	3148	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Dropout	SG2 3P	3150	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Underfrequency Pickup	SG2 3P	3152	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG2 3P	3154	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG2 3P	3156	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG2 3P	3158	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Time Delay	SG2 3P	3160	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Fail Time Delay	SG2 3P	3162	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Low-Line Scale	SG2 3P	3164	Float	4	R W	n/a	0.001	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG2 3P	3166	Float	4	R W	n/a	0.001	0.001 - 100
Gen Condition	Dead Pickup	SG3 1P	3168	Float	4	R W	Volt	1	0 - 999999
Gen Condition	Dead Time Delay	SG3 1P	3170	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG3 1P	3172	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Undervoltage Dropout	SG3 1P	3174	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Pickup	SG3 1P	3176	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Dropout	SG3 1P	3178	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Underfrequency Pickup	SG3 1P	3180	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG3 1P	3182	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG3 1P	3184	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG3 1P	3186	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Time Delay	SG3 1P	3188	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Fail Time Delay	SG3 1P	3190	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Low-Line Scale	SG3 1P	3192	Float	4	R W	n/a	0.001	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG3 1P	3194	Float	4	R W	n/a	0.001	0.001 - 100
Gen Condition	Dead Pickup	SG3 3P	3196	Float	4	R W	Volt	1	0 - 999999
Gen Condition	Dead Time Delay	SG3 3P	3198	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Stable Undervoltage Pickup	SG3 3P	3200	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Undervoltage Dropout	SG3 3P	3202	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Pickup	SG3 3P	3204	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Overvoltage Dropout	SG3 3P	3206	Float	4	R W	Volt	1	10 - 999999
Gen Condition	Stable Underfrequency Pickup	SG3 3P	3208	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Underfrequency Dropout	SG3 3P	3210	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Pickup	SG3 3P	3212	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Overfrequency Dropout	SG3 3P	3214	Float	4	R W	Hertz	0.01	46 - 64
Gen Condition	Stable Time Delay	SG3 3P	3216	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Fail Time Delay	SG3 3P	3218	Float	4	R W	Second	0.1	0.1 - 600
Gen Condition	Low-Line Scale	SG3 3P	3220	Float	4	R W	n/a	0.001	0.001 - 3
Gen Condition	Alternate Frequency Scale	SG3 3P	3222	Float	4	R W	n/a	0.001	0.001 - 100
Bus1 Condition	Dead Pickup	SG0 1P	3224	Float	4	R W	Volt	1	0 - 999999
Bus1 Condition	Dead Time Delay	SG0 1P	3226	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG0 1P	3228	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Undervoltage Dropout	SG0 1P	3230	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Pickup	SG0 1P	3232	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Dropout	SG0 1P	3234	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Underfrequency Pickup	SG0 1P	3236	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG0 1P	3238	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG0 1P	3240	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG0 1P	3242	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Time Delay	SG0 1P	3244	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Fail Time Delay	SG0 1P	3246	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Low-Line Scale	SG0 1P	3248	Float	4	R W	n/a	0.001	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG0 1P	3250	Float	4	R W	n/a	0.001	0.001 - 100
Bus1 Condition	Dead Pickup	SG0 3P	3252	Float	4	R W	Volt	1	0 - 999999
Bus1 Condition	Dead Time Delay	SG0 3P	3254	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG0 3P	3256	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Undervoltage Dropout	SG0 3P	3258	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Pickup	SG0 3P	3260	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Dropout	SG0 3P	3262	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Underfrequency Pickup	SG0 3P	3264	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG0 3P	3266	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG0 3P	3268	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG0 3P	3270	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Time Delay	SG0 3P	3272	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Fail Time Delay	SG0 3P	3274	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Low-Line Scale	SG0 3P	3276	Float	4	R W	n/a	0.001	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG0 3P	3278	Float	4	R W	n/a	0.001	0.001 - 100
Bus1 Condition	Dead Pickup	SG1 1P	3280	Float	4	R W	Volt	1	0 - 999999
Bus1 Condition	Dead Time Delay	SG1 1P	3282	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG1 1P	3284	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Undervoltage Dropout	SG1 1P	3286	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Pickup	SG1 1P	3288	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Dropout	SG1 1P	3290	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Underfrequency Pickup	SG1 1P	3292	Float	4	R W	Hertz	0.01	46 - 64

Bus Condition Register Table

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Bus1 Condition	Stable Underfrequency Dropout	SG1 1P	3294	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG1 1P	3296	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG1 1P	3298	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Time Delay	SG1 1P	3300	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Fail Time Delay	SG1 1P	3302	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Low-Line Scale	SG1 1P	3304	Float	4	R W	n/a	0.001	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG1 1P	3306	Float	4	R W	n/a	0.001	0.001 - 100
Bus1 Condition	Dead Pickup	SG1 3P	3308	Float	4	R W	Volt	1	0 - 999999
Bus1 Condition	Dead Time Delay	SG1 3P	3310	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG1 3P	3312	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Undervoltage Dropout	SG1 3P	3314	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Pickup	SG1 3P	3316	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Dropout	SG1 3P	3318	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Underfrequency Pickup	SG1 3P	3320	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG1 3P	3322	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG1 3P	3324	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG1 3P	3326	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Time Delay	SG1 3P	3328	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Fail Time Delay	SG1 3P	3330	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Low-Line Scale	SG1 3P	3332	Float	4	R W	n/a	0.001	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG1 3P	3334	Float	4	R W	n/a	0.001	0.001 - 100
Bus1 Condition	Dead Pickup	SG2 1P	3336	Float	4	R W	Volt	1	0 - 999999
Bus1 Condition	Dead Time Delay	SG2 1P	3338	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG2 1P	3340	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Undervoltage Dropout	SG2 1P	3342	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Pickup	SG2 1P	3344	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Dropout	SG2 1P	3346	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Underfrequency Pickup	SG2 1P	3348	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG2 1P	3350	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG2 1P	3352	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG2 1P	3354	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Time Delay	SG2 1P	3356	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Fail Time Delay	SG2 1P	3358	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Low-Line Scale	SG2 1P	3360	Float	4	R W	n/a	0.001	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG2 1P	3362	Float	4	R W	n/a	0.001	0.001 - 100
Bus1 Condition	Dead Pickup	SG2 3P	3364	Float	4	R W	Volt	1	0 - 999999
Bus1 Condition	Dead Time Delay	SG2 3P	3366	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG2 3P	3368	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Undervoltage Dropout	SG2 3P	3370	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Pickup	SG2 3P	3372	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Dropout	SG2 3P	3374	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Underfrequency Pickup	SG2 3P	3376	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG2 3P	3378	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG2 3P	3380	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG2 3P	3382	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Time Delay	SG2 3P	3384	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Fail Time Delay	SG2 3P	3386	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Low-Line Scale	SG2 3P	3388	Float	4	R W	n/a	0.001	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG2 3P	3390	Float	4	R W	n/a	0.001	0.001 - 100
Bus1 Condition	Dead Pickup	SG3 1P	3392	Float	4	R W	Volt	1	0 - 999999
Bus1 Condition	Dead Time Delay	SG3 1P	3394	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG3 1P	3396	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Undervoltage Dropout	SG3 1P	3398	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Pickup	SG3 1P	3400	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Dropout	SG3 1P	3402	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Underfrequency Pickup	SG3 1P	3404	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG3 1P	3406	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG3 1P	3408	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG3 1P	3410	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Time Delay	SG3 1P	3412	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Fail Time Delay	SG3 1P	3414	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Low-Line Scale	SG3 1P	3416	Float	4	R W	n/a	0.001	0.001 - 3
Bus1 Condition	Alternate Frequency Scale	SG3 1P	3418	Float	4	R W	n/a	0.001	0.001 - 100
Bus1 Condition	Dead Pickup	SG3 3P	3420	Float	4	R W	Volt	1	0 - 999999
Bus1 Condition	Dead Time Delay	SG3 3P	3422	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Stable Undervoltage Pickup	SG3 3P	3424	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Undervoltage Dropout	SG3 3P	3426	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Pickup	SG3 3P	3428	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Overvoltage Dropout	SG3 3P	3430	Float	4	R W	Volt	1	10 - 999999
Bus1 Condition	Stable Underfrequency Pickup	SG3 3P	3432	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Underfrequency Dropout	SG3 3P	3434	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Pickup	SG3 3P	3436	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Overfrequency Dropout	SG3 3P	3438	Float	4	R W	Hertz	0.01	46 - 64
Bus1 Condition	Stable Time Delay	SG3 3P	3440	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Fail Time Delay	SG3 3P	3442	Float	4	R W	Second	0.1	0.1 - 600
Bus1 Condition	Low-Line Scale	SG3 3P	3444	Float	4	R W	n/a	0.001	0.001 - 3

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Bus1 Condition	Alternate Frequency Scale	SG3 3P	3446	Float	4	R W	n/a	0.001	0.001 - 100
Bus2 Condition	Dead Pickup	SG0 1P	3448	Float	4	R W	Volt	1	0 - 999999
Bus2 Condition	Dead Time Delay	SG0 1P	3450	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG0 1P	3452	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Undervoltage Dropout	SG0 1P	3454	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Pickup	SG0 1P	3456	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Dropout	SG0 1P	3458	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Underfrequency Pickup	SG0 1P	3460	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG0 1P	3462	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG0 1P	3464	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG0 1P	3466	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Time Delay	SG0 1P	3468	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Fail Time Delay	SG0 1P	3470	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Low-Line Scale	SG0 1P	3472	Float	4	R W	n/a	0.001	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG0 1P	3474	Float	4	R W	n/a	0.001	0.001 - 100
Bus2 Condition	Dead Pickup	SG0 3P	3476	Float	4	R W	Volt	1	0 - 999999
Bus2 Condition	Dead Time Delay	SG0 3P	3478	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG0 3P	3480	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Undervoltage Dropout	SG0 3P	3482	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Pickup	SG0 3P	3484	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Dropout	SG0 3P	3486	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Underfrequency Pickup	SG0 3P	3488	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG0 3P	3490	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG0 3P	3492	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG0 3P	3494	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Time Delay	SG0 3P	3496	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Fail Time Delay	SG0 3P	3498	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Low-Line Scale	SG0 3P	3500	Float	4	R W	n/a	0.001	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG0 3P	3502	Float	4	R W	n/a	0.001	0.001 - 100
Bus2 Condition	Dead Pickup	SG1 1P	3504	Float	4	R W	Volt	1	0 - 999999
Bus2 Condition	Dead Time Delay	SG1 1P	3506	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG1 1P	3508	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Undervoltage Dropout	SG1 1P	3510	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Pickup	SG1 1P	3512	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Dropout	SG1 1P	3514	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Underfrequency Pickup	SG1 1P	3516	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG1 1P	3518	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG1 1P	3520	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG1 1P	3522	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Time Delay	SG1 1P	3524	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Fail Time Delay	SG1 1P	3526	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Low-Line Scale	SG1 1P	3528	Float	4	R W	n/a	0.001	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG1 1P	3530	Float	4	R W	n/a	0.001	0.001 - 100
Bus2 Condition	Dead Pickup	SG1 3P	3532	Float	4	R W	Volt	1	0 - 999999
Bus2 Condition	Dead Time Delay	SG1 3P	3534	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG1 3P	3536	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Undervoltage Dropout	SG1 3P	3538	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Pickup	SG1 3P	3540	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Dropout	SG1 3P	3542	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Underfrequency Pickup	SG1 3P	3544	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG1 3P	3546	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG1 3P	3548	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG1 3P	3550	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Time Delay	SG1 3P	3552	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Fail Time Delay	SG1 3P	3554	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Low-Line Scale	SG1 3P	3556	Float	4	R W	n/a	0.001	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG1 3P	3558	Float	4	R W	n/a	0.001	0.001 - 100
Bus2 Condition	Dead Pickup	SG2 1P	3560	Float	4	R W	Volt	1	0 - 999999
Bus2 Condition	Dead Time Delay	SG2 1P	3562	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG2 1P	3564	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Undervoltage Dropout	SG2 1P	3566	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Pickup	SG2 1P	3568	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Dropout	SG2 1P	3570	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Underfrequency Pickup	SG2 1P	3572	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG2 1P	3574	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG2 1P	3576	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG2 1P	3578	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Time Delay	SG2 1P	3580	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Fail Time Delay	SG2 1P	3582	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Low-Line Scale	SG2 1P	3584	Float	4	R W	n/a	0.001	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG2 1P	3586	Float	4	R W	n/a	0.001	0.001 - 100
Bus2 Condition	Dead Pickup	SG2 3P	3588	Float	4	R W	Volt	1	0 - 999999
Bus2 Condition	Dead Time Delay	SG2 3P	3590	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG2 3P	3592	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Undervoltage Dropout	SG2 3P	3594	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Pickup	SG2 3P	3596	Float	4	R W	Volt	1	10 - 999999

Bus Condition Register Table

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Bus2 Condition	Stable Overvoltage Dropout	SG2 3P	3598	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Underfrequency Pickup	SG2 3P	3600	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG2 3P	3602	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG2 3P	3604	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG2 3P	3606	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Time Delay	SG2 3P	3608	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Fail Time Delay	SG2 3P	3610	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Low-Line Scale	SG2 3P	3612	Float	4	R W	n/a	0.001	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG2 3P	3614	Float	4	R W	n/a	0.001	0.001 - 100
Bus2 Condition	Dead Pickup	SG3 1P	3616	Float	4	R W	Volt	1	0 - 999999
Bus2 Condition	Dead Time Delay	SG3 1P	3618	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG3 1P	3620	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Undervoltage Dropout	SG3 1P	3622	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Pickup	SG3 1P	3624	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Dropout	SG3 1P	3626	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Underfrequency Pickup	SG3 1P	3628	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG3 1P	3630	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG3 1P	3632	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG3 1P	3634	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Time Delay	SG3 1P	3636	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Fail Time Delay	SG3 1P	3638	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Low-Line Scale	SG3 1P	3640	Float	4	R W	n/a	0.001	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG3 1P	3642	Float	4	R W	n/a	0.001	0.001 - 100
Bus2 Condition	Dead Pickup	SG3 3P	3644	Float	4	R W	Volt	1	0 - 999999
Bus2 Condition	Dead Time Delay	SG3 3P	3646	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Stable Undervoltage Pickup	SG3 3P	3648	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Undervoltage Dropout	SG3 3P	3650	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Pickup	SG3 3P	3652	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Overvoltage Dropout	SG3 3P	3654	Float	4	R W	Volt	1	10 - 999999
Bus2 Condition	Stable Underfrequency Pickup	SG3 3P	3656	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Underfrequency Dropout	SG3 3P	3658	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Pickup	SG3 3P	3660	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Overfrequency Dropout	SG3 3P	3662	Float	4	R W	Hertz	0.01	46 - 64
Bus2 Condition	Stable Time Delay	SG3 3P	3664	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Fail Time Delay	SG3 3P	3666	Float	4	R W	Second	0.1	0.1 - 600
Bus2 Condition	Low-Line Scale	SG3 3P	3668	Float	4	R W	n/a	0.001	0.001 - 3
Bus2 Condition	Alternate Frequency Scale	SG3 3P	3670	Float	4	R W	n/a	0.001	0.001 - 100



7 • DGC Settings Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CAN Bus	J1939 Address	4000	Uint32	4	R W	n/a	1	1 - 253
CAN Bus	Baud Rate	4002	Uint32	4	R W	n/a	n/a	125 kbps=0 250 kbps=1
Reserved		4004-5						
LCD Settings	LCD Backlight Timeout	4006	Uint8	1	R W	Minute	1	1 - 120
LCD Settings	LCD Contrast	4007	Uint8	1	R W	Percent	1	0 - 100
LCD Settings	LCD Sleep Mode	4008	Uint8	1	R W	n/a	n/a	Disabled=0 Enabled=1
Real Time Clock Alert	RTC Alert Enable	4009	Uint32	4	R W	n/a	n/a	No=0 Yes=1
Buzzer	Buzzer Enabled	4011	Uint8	1	R W	n/a	n/a	Disabled=0 Enabled=1
Buzzer	Not In Auto Buzzer Enabled	4012	Uint8	1	R W	n/a	n/a	Disabled=0 Enabled=1
AEM1	Enable	4013	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
AEM2	Enable	4015	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
AEM3	Enable	4017	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
AEM4	Enable	4019	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
CEM 1	Enable	4021	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
CEM 1	CEM Output Configuration	4023	Uint32	4	R W	n/a	n/a	18 Outputs=0 24 Outputs=1
CEM 2	Enable	4025	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
CEM 2	CEM Output Configuration	4027	Uint32	4	R W	n/a	n/a	18 Outputs=0 24 Outputs=1
CEM 3	Enable	4029	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
CEM 3	CEM Output Configuration	4031	Uint32	4	R W	n/a	n/a	18 Outputs=0 24 Outputs=1
CEM 4	Enable	4033	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
CEM 4	CEM Output Configuration	4035	Uint32	4	R W	n/a	n/a	18 Outputs=0 24 Outputs=1
Genset Controller	Restart Delay	4037	Uint32	4	R W	Second	1	0 - 120
Genset Controller	Cool Down Time	4039	Uint32	4	R W	Minute	1	0 - 60
Genset Controller	Prestart Contact Configuration	4041	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	Prestart Rest Configuration	4043	Uint32	4	R W	n/a	n/a	Off during crank=0 On during rest=1 Preheat before crank=2
Genset Controller	Cranking Style	4045	Uint32	4	R W	n/a	n/a	Continuous=0 Cycle=1
Genset Controller	Number of Crank Cycles	4047	Uint32	4	R W	n/a	1	1 - 7
Genset Controller	Cycle Crank Time	4049	Uint32	4	R W	Second	1	1 - 300
Genset Controller	Continuous Crank Time	4051	Uint32	4	R W	Second	1	1 - 300
Genset Controller	Crank Disconnect Limit	4053	Uint32	4	R W	Second	1	10 - 100
Genset Controller	Pre Crank Delay	4055	Uint32	4	R W	Second	1	0 - 30
Genset Controller	Oil Pressure Crank Disconnect	4057	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	Crank Disconnect Pressure PSI	4059	Float	4	R W	PSI	0.1	2.9 - 150
Genset Controller	Crank Disconnect Pressure kPa	4061	Float	4	R W	kPa	0.1	20 - 1034.5
Genset Controller	Crank Disconnect Pressure bar	4063	Float	4	R W	bar	0.1	2 - 10.3
Genset Controller	Power Up Delay	4065	Uint32	4	R W	Second	0.1	0 - 60
Genset Controller	Off Mode Cool Down Enabled	4067	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	Remaining Cooldown Time Minutes	4069	Uint32	4	R	Minute	1	0 - 59
Genset Controller	Remaining Cooldown Time Seconds	4071	Uint32	4	R	Second	1	0 - 59
Genset Controller	Pending NFPA Level	4073	Uint32	4	R W	n/a	n/a	Zero=0 One=1 Two=2
Pre-Alarm Enable	Ethernet 1 Link Lost	4075	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Pre-Alarm Enable	Ethernet 2 Link Lost	4077	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	Gen Reverse Rotation Pre-Alarm Enable	4079	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	Bus 1 Reverse Rotation Pre-	4081	Uint32	4	R W	n/a	n/a	Disabled=0

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
	Alarm Enable							Enabled=1
Genset Controller	Bus 2 Reverse Rotation Pre-Alarm Enable	4083	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	AEM 1 Comm Fail Pre-Alarm Enable	4085	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	AEM 2 Comm Fail Pre-Alarm Enable	4087	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	AEM 3 Comm Fail Pre-Alarm Enable	4089	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	AEM 4 Comm Fail Pre-Alarm Enable	4091	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	CEM 1 Comm Fail Pre-Alarm Enable	4093	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	CEM 2 Comm Fail Pre-Alarm Enable	4095	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	CEM 3 Comm Fail Pre-Alarm Enable	4097	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	CEM 4 Comm Fail Pre-Alarm Enable	4099	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coolant Temp Sender Fail	Alarm Configuration	4101	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Coolant Temp Sender Fail	Coolant Activation Delay	4103	Uint32	4	R W	Second	1	300 - 1800
Oil Pressure Sender Fail	Alarm Configuration	4105	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Oil Pressure Sender Fail	Activation Delay	4107	Uint32	4	R W	Second	1	0 - 300
Fuel Level Sender Fail	Alarm Configuration	4109	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Fuel Level Sender Fail	Activation Delay	4111	Uint32	4	R W	Second	1	0 - 300
Voltage Sensing Sender Fail	Alarm Configuration	4113	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Voltage Sensing Sender Fail	Activation Delay	4115	Uint32	4	R W	Second	1	0 - 300
Single Ph Override	Single-Phase Sense	4117	Uint32	4	R W	n/a	n/a	AB=0 AC=1
AVR Output	Out-of-Range Activation Delay	4119	Float	4	R W	Second	1	0 - 300
AVR Output	Alarm Configuration	4121	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
GOV Output	Out-of-Range Activation Delay	4123	Float	4	R W	Second	1	0 - 300
GOV Output	Alarm Configuration	4125	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
LS Output	Out of Range Activation Delay	4127	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
LS Output	Alarm Configuration	4129	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Genset Controller	Mains Fail Group Start Mode	4131	Uint32	4	R W	n/a	n/a	Start One=0 Start All=1 Start Demand Based=2
Genset Controller	Load Takeover Group Start Mode	4133	Uint32	4	R W	n/a	n/a	Start One=0 Start All=1 Start Demand Based=2
Genset Controller	Peak Shave Group Start Mode	4135	Uint32	4	R W	n/a	n/a	Start One=0 Start All=1 Start Demand Based=2
Genset Controller	Cycle Rest Time	4137	Uint32	4	R W	Second	1	1 - 300
Genset Controller	Cooldown Configuration	4139	Uint32	4	R W	n/a	n/a	Only When Loaded=0 Always=1
Mains Power Controller	Mains kW Control Mode	4141	Uint32	4	R W	n/a	n/a	Baseload=0 Peak Shave=1 Import/Export=2
Mains Power Controller	Min Load	4143	Float	4	R W	KiloWatt	1	1 - 999999
Mains Power Controller	Start Level	4145	Float	4	R W	KiloWatt	1	1 - 999999
Mains Power Controller	End Level	4147	Float	4	R W	KiloWatt	1	1 - 999999
Mains Power Controller	Start Time Delay	4149	Uint32	4	R W	Second	1	0 - 3600
Mains Power Controller	End Time Delay	4151	Uint32	4	R W	Second	1	0 - 3600
Mains Power Controller	Peak Shave Local Start Mode	4153	Uint32	4	R W	n/a	n/a	Single Generator=0 Group Start=1
Mains Power Controller	Power Filter Time Constant	4155	Float	4	R W	n/a	0.01	0 - 100
Tie Breaker Controller	Breaker Open Setpoint	4157	Uint32	4	R W	Percent	1	1 - 100
Tie Breaker Controller	Generator Group Number	4159	Uint32	4	R W	n/a	1	1 - 32
Tie Breaker Controller	System Segment Number	4161	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3, 4=4, 5=5, 6=6, 7=7, 8=8, 9=9, 10=10, 11=11, 12=12, 13=13, 14=14, 15=15, 16=16, 17=17, 18=18, 19=19, 20=20, 21=21, 22=22, 23=23, 24=24, 25=25, 26=26, 27=27, 28=28, 29=29, 30=30, 31=31
Tie Breaker Controller	Generator Group B Number	4163	Uint32	4	R W	n/a	1	1 - 32
Tie Breaker Controller	System Segment B Number	4165	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3, 4=4, 5=5, 6=6, 7=7, 8=8, 9=9, 10=10, 11=11, 12=12, 13=13, 14=14, 15=15, 16=16, 17=17, 18=18, 19=19, 20=20, 21=21, 22=22, 23=23, 24=24, 25=25, 26=26, 27=27, 28=28, 29=29, 30=30, 31=31
Tie Breaker Controller	Mains Tie Side	4167	Uint32	4	R W	n/a	n/a	None=0 A=1 B=2
Tie Breaker Controller	Sync Adjust Side	4169	Uint32	4	R W	n/a	n/a	A=1 B=2
Tie Breaker Controller	Mains To Mains Close Enable	4171	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller	Dead A To Dead B Close Enable	4173	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller	Dead A To Live B Close Enable	4175	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller	Live A To Dead B Close Enable	4177	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Tie Breaker Controller	Live A To Live B Close Enable	4179	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller	Dead Gen Close Enable	4181	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller	Live Load Close Enable	4183	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller	Breaker Open Delay	4185	UInt32	4	R W	Decisec ond	1	0 - 600
Tie Breaker Controller	Positive Power Sign	4187	UInt32	4	R W	n/a	n/a	Generator Export=0 Mains Import=1
Baseload Level	Active Setpoint	4189	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Base Setpoint	4191	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Base Setpoint Output	4193	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Setpoint Max	4195	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Setpoint Min	4197	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Analog Input Source	4199	UInt32	4	R W	n/a	n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37
Baseload Level	Bias Max	4201	Float	4	R W	Percent	0.1	-100 - 100
Baseload Level	Bias Min	4203	Float	4	R W	Percent	0.1	-100 - 100
Baseload Level	Ramp Rate	4205	Float	4	R W	Percent Per Second	0.1	0.1 - 100
Baseload Level	Pre Position 1	4207	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre Position 2	4209	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre Position 3	4211	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre Position 4	4213	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre Position 5	4215	Float	4	R W	Percent	0.1	0 - 100
Peak Shave	Active Setpoint	4217	Float	4	R W	Percent	0.1	0 - 100
Peak Shave	Base Setpoint	4219	Float	4	R W	Percent	0.1	0 - 100
Peak Shave	Base Setpoint Output	4221	Float	4	R W	Percent	0.1	0 - 100
Peak Shave	Setpoint Max	4223	Float	4	R W	Percent	0.1	0 - 100
Peak Shave	Setpoint Min	4225	Float	4	R W	Percent	0.1	0 - 100
Peak Shave	Analog Input Source	4227	UInt32	4	R W		n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37
Peak Shave	Bias Max	4229	Float	4	R W	Percent	0.1	-100 – 100
Peak Shave	Bias Min	4231	Float	4	R W	Percent	0.1	-100 – 100
Peak Shave	Ramp Rate	4233	Float	4	R W	Percent Per Second	0.1	0.1 – 100
Peak Shave	Pre Position 1	4235	Float	4	R W	Percent	0.1	0 – 100
Peak Shave	Pre Position 2	4237	Float	4	R W	Percent	0.1	0 – 100
Peak Shave	Pre Position 3	4239	Float	4	R W	Percent	0.1	0 – 100
Peak Shave	Pre Position 4	4241	Float	4	R W	Percent	0.1	0 – 100
Peak Shave	Pre Position 5	4243	Float	4	R W	Percent	0.1	0 – 100
Import Export	Active Setpoint	4245	Float	4	R W	Percent	0.1	0 – 100
Import Export	Base Setpoint	4247	Float	4	R W	Percent	0.1	0 – 100
Import Export	Base Setpoint Output	4249	Float	4	R W	Percent	0.1	0 – 100
Import Export	Setpoint Max	4251	Float	4	R W	Percent	0.1	0 – 100
Import Export	Setpoint Min	4253	Float	4	R W	Percent	0.1	0 – 100
Import Export	Analog Input Source	4255	Uint32	4	R W	n/a	n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37
Import Export	Bias Max	4257	Float	4	R W	Percent	0.1	-100 - 100
Import Export	Bias Min	4259	Float	4	R W	Percent	0.1	-100 - 100

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Import Export	Ramp Rate	4261	Float	4	R W	Percent Per Second	0.1	0.1 - 100
Import Export	Pre Position 1	4263	Float	4	R W	Percent	0.1	0 - 100
Import Export	Pre Position 2	4265	Float	4	R W	Percent	0.1	0 - 100
Import Export	Pre Position 3	4267	Float	4	R W	Percent	0.1	0 - 100
Import Export	Pre Position 4	4269	Float	4	R W	Percent	0.1	0 - 100
Import Export	Pre Position 5	4271	Float	4	R W	Percent	0.1	0 - 100
Seven Day Timer 1	Sunday Start Hour	4273	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Monday Start Hour	4275	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Tuesday Start Hour	4277	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Wednesday Start Hour	4279	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Thursday Start Hour	4281	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Friday Start Hour	4283	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Saturday Start Hour	4285	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Sunday Start Minute	4287	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Monday Start Minute	4289	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Tuesday Start Minute	4291	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Wednesday Start Minute	4293	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Thursday Start Minute	4295	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Friday Start Minute	4297	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Saturday Start Minute	4299	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Sunday Run Hours	4301	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Monday Run Hours	4303	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Tuesday Run Hours	4305	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Wednesday Run Hours	4307	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Thursday Run Hours	4309	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Friday Run Hours	4311	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Saturday Run Hours	4313	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 1	Sunday Run Minutes	4315	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Monday Run Minutes	4317	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Tuesday Run Minutes	4319	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Wednesday Run Minutes	4321	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Thursday Run Minutes	4323	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Friday Run Minutes	4325	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 1	Saturday Run Minutes	4327	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Sunday Start Hour	4329	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Monday Start Hour	4331	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Tuesday Start Hour	4333	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Wednesday Start Hour	4335	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Thursday Start Hour	4337	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Friday Start Hour	4339	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Saturday Start Hour	4341	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Sunday Start Minute	4343	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Monday Start Minute	4345	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Tuesday Start Minute	4347	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Wednesday Start Minute	4349	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Thursday Start Minute	4351	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Friday Start Minute	4353	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Saturday Start Minute	4355	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Sunday Run Hours	4357	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Monday Run Hours	4359	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Tuesday Run Hours	4361	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Wednesday Run Hours	4363	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Thursday Run Hours	4365	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Friday Run Hours	4367	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Saturday Run Hours	4369	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 2	Sunday Run Minutes	4371	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Monday Run Minutes	4373	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Tuesday Run Minutes	4375	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Wednesday Run Minutes	4377	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Thursday Run Minutes	4379	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Friday Run Minutes	4381	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 2	Saturday Run Minutes	4383	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Sunday Start Hour	4385	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Monday Start Hour	4387	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Tuesday Start Hour	4389	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Wednesday Start Hour	4391	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Thursday Start Hour	4393	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Friday Start Hour	4395	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Saturday Start Hour	4397	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Sunday Start Minute	4399	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Monday Start Minute	4401	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Tuesday Start Minute	4403	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Wednesday Start Minute	4405	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Thursday Start Minute	4407	UInt32	4	R W	n/a	1	0 - 59

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Seven Day Timer 3	Friday Start Minute	4409	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Saturday Start Minute	4411	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Sunday Run Hours	4413	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Monday Run Hours	4415	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Tuesday Run Hours	4417	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Wednesday Run Hours	4419	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Thursday Run Hours	4421	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Friday Run Hours	4423	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Saturday Run Hours	4425	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 3	Sunday Run Minutes	4427	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Monday Run Minutes	4429	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Tuesday Run Minutes	4431	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Wednesday Run Minutes	4433	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Thursday Run Minutes	4435	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Friday Run Minutes	4437	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 3	Saturday Run Minutes	4439	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Sunday Start Hour	4441	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Monday Start Hour	4443	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Tuesday Start Hour	4445	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Wednesday Start Hour	4447	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Thursday Start Hour	4449	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Friday Start Hour	4451	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Saturday Start Hour	4453	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Sunday Start Minute	4455	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Monday Start Minute	4457	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Tuesday Start Minute	4459	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Wednesday Start Minute	4461	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Thursday Start Minute	4463	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Friday Start Minute	4465	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Saturday Start Minute	4467	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Sunday Run Hours	4469	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Monday Run Hours	4471	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Tuesday Run Hours	4473	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Wednesday Run Hours	4475	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Thursday Run Hours	4477	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Friday Run Hours	4479	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Saturday Run Hours	4481	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 4	Sunday Run Minutes	4483	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Monday Run Minutes	4485	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Tuesday Run Minutes	4487	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Wednesday Run Minutes	4489	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Thursday Run Minutes	4491	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Friday Run Minutes	4493	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 4	Saturday Run Minutes	4495	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Sunday Start Hour	4497	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Monday Start Hour	4499	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Tuesday Start Hour	4501	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Wednesday Start Hour	4503	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Thursday Start Hour	4505	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Friday Start Hour	4507	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Saturday Start Hour	4509	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Sunday Start Minute	4511	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Monday Start Minute	4513	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Tuesday Start Minute	4515	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Wednesday Start Minute	4517	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Thursday Start Minute	4519	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Friday Start Minute	4521	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Saturday Start Minute	4523	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Sunday Run Hours	4525	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Monday Run Hours	4527	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Tuesday Run Hours	4529	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Wednesday Run Hours	4531	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Thursday Run Hours	4533	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Friday Run Hours	4535	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Saturday Run Hours	4537	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 5	Sunday Run Minutes	4539	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Monday Run Minutes	4541	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Tuesday Run Minutes	4543	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Wednesday Run Minutes	4545	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Thursday Run Minutes	4547	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Friday Run Minutes	4549	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 5	Saturday Run Minutes	4551	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Sunday Start Hour	4553	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Monday Start Hour	4555	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Tuesday Start Hour	4557	Uint32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Wednesday Start Hour	4559	Uint32	4	R W	n/a	1	0 - 23

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Seven Day Timer 6	Thursday Start Hour	4561	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Friday Start Hour	4563	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Saturday Start Hour	4565	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Sunday Start Minute	4567	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Monday Start Minute	4569	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Tuesday Start Minute	4571	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Wednesday Start Minute	4573	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Thursday Start Minute	4575	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Friday Start Minute	4577	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Saturday Start Minute	4579	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Sunday Run Hours	4581	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Monday Run Hours	4583	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Tuesday Run Hours	4585	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Wednesday Run Hours	4587	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Thursday Run Hours	4589	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Friday Run Hours	4591	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Saturday Run Hours	4593	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 6	Sunday Run Minutes	4595	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Monday Run Minutes	4597	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Tuesday Run Minutes	4599	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Wednesday Run Minutes	4601	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Thursday Run Minutes	4603	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Friday Run Minutes	4605	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 6	Saturday Run Minutes	4607	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Sunday Start Hour	4609	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Monday Start Hour	4611	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Tuesday Start Hour	4613	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Wednesday Start Hour	4615	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Thursday Start Hour	4617	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Friday Start Hour	4619	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Saturday Start Hour	4621	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Sunday Start Minute	4623	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Monday Start Minute	4625	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Tuesday Start Minute	4627	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Wednesday Start Minute	4629	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Thursday Start Minute	4631	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Friday Start Minute	4633	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Saturday Start Minute	4635	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Sunday Run Hours	4637	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Monday Run Hours	4639	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Tuesday Run Hours	4641	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Wednesday Run Hours	4643	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Thursday Run Hours	4645	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Friday Run Hours	4647	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Saturday Run Hours	4649	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 7	Sunday Run Minutes	4651	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Monday Run Minutes	4653	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Tuesday Run Minutes	4655	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Wednesday Run Minutes	4657	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Thursday Run Minutes	4659	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Friday Run Minutes	4661	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 7	Saturday Run Minutes	4663	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Sunday Start Hour	4665	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Monday Start Hour	4667	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Tuesday Start Hour	4669	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Wednesday Start Hour	4671	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Thursday Start Hour	4673	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Friday Start Hour	4675	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Saturday Start Hour	4677	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Sunday Start Minute	4679	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Monday Start Minute	4681	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Tuesday Start Minute	4683	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Wednesday Start Minute	4685	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Thursday Start Minute	4687	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Friday Start Minute	4689	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Saturday Start Minute	4691	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Sunday Run Hours	4693	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Monday Run Hours	4695	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Tuesday Run Hours	4697	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Wednesday Run Hours	4699	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Thursday Run Hours	4701	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Friday Run Hours	4703	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Saturday Run Hours	4705	UInt32	4	R W	n/a	1	0 - 23
Seven Day Timer 8	Sunday Run Minutes	4707	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Monday Run Minutes	4709	UInt32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Tuesday Run Minutes	4711	UInt32	4	R W	n/a	1	0 - 59

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Seven Day Timer 8	Wednesday Run Minutes	4713	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Thursday Run Minutes	4715	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Friday Run Minutes	4717	Uint32	4	R W	n/a	1	0 - 59
Seven Day Timer 8	Saturday Run Minutes	4719	Uint32	4	R W	n/a	1	0 - 59
ECU Config	CAN Bus Low Coolant Alarm Enable	4721	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller	Power Measurement Side	4723	Uint32	4	R W	n/a	n/a	A=1 B=2
Tie Breaker Controller 2	Breaker Open Setpoint	4725	Uint32	4	R W	Percent	1	1 - 100
Tie Breaker Controller 2	Generator Group C Number	4731	Uint32	4	R W	n/a	1	1 - 32
Tie Breaker Controller 2	System Segment C Number	4733	Uint32	4	R W	n/a	n/a	Group Bus=0 Load Bus=1 Mains=2 3=3, 4=4, 5=5, 6=6, 7=7, 8=8, 9=9, 10=10, 11=11, 12=12, 13=13, 14=14, 15=15, 16=16, 17=17, 18=18, 19=19, 20=20, 21=21, 22=22, 23=23, 24=24, 25=25, 26=26, 27=27, 28=28, 29=29, 30=30, 31=31
Tie Breaker Controller 2	Mains Tie Side	4735	Uint32	4	R W	n/a	n/a	None=0 B=1 C=2
Tie Breaker Controller 2	Sync Adjust Side	4737	Uint32	4	R W	n/a	n/a	B=1 C=2
Tie Breaker Controller 2	Mains To Mains Close Enable	4739	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller 2	Dead B to Dead C Close Enable	4741	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller 2	Dead B to Live C Close Enable	4743	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller 2	Live B to Dead C Close Enable	4745	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller 2	Live B to Live C Close Enable	4747	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller 2	Dead Gen Close Enable	4749	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller 2	Live Load Close Enable	4751	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Tie Breaker Controller 2	Breaker Open Delay	4753	Uint32	4	R W	Decisec ond	1	0 - 600
Tie Breaker Controller 2	Positive Power Sign	4755	Uint32	4	R W	n/a	n/a	Generator Export=0 Mains Import=1
Tie Breaker Controller 2	Power Measurement Side	4757	Uint32	4	R W	n/a	n/a	B=1 C=2
Alarm Enable	VRM 1 Comm. Fail Pre-alarm Enable	4759	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Baseload Level	Pre-position 1 Ramp Rate	4761	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Pre-position 2 Ramp Rate	4763	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Pre-position 3 Ramp Rate	4765	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Pre-position 4 Ramp Rate	4767	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Pre-position 5 Ramp Rate	4769	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Auto Save	4771	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Peak Shave	Pre-position 1 Ramp Rate	4773	Float	4	R W	Percent Per Second	0.1	0 - 100
Peak Shave	Pre-position 2 Ramp Rate	4775	Float	4	R W	Percent Per Second	0.1	0 - 100
Peak Shave	Pre-position 3 Ramp Rate	4777	Float	4	R W	Percent Per Second	0.1	0 - 100
Peak Shave	Pre-position 4 Ramp Rate	4779	Float	4	R W	Percent Per Second	0.1	0 - 100

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Peak Shave	Pre-position 5 Ramp Rate	4781	Float	4	R W	Percent Per Second	0.1	0 - 100
Peak Shave	Auto Save	4783	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Import / Export	Pre-position 1 Ramp Rate	4785	Float	4	R W	Percent Per Second	0.1	0 - 100
Import / Export	Pre-position 2 Ramp Rate	4787	Float	4	R W	Percent Per Second	0.1	0 - 100
Import / Export	Pre-position 3 Ramp Rate	4789	Float	4	R W	Percent Per Second	0.1	0 - 100
Import / Export	Pre-position 4 Ramp Rate	4791	Float	4	R W	Percent Per Second	0.1	0 - 100
Import / Export	Pre-position 5 Ramp Rate	4793	Float	4	R W	Percent Per Second	0.1	0 - 100
Import / Export	Auto Save	4795	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Voltage Trim	Setpoint Max	4797	Float	4	R W	Percent	0.1	0 - 100
Voltage Trim	Setpoint Min	4799	Float	4	R W	Percent	0.1	0 - 100
Voltage Trim	Pre-position 5	4801	Float	4	R W	Percent	0.1	0 - 100
Voltage Trim	Pre-position 1 Ramp Rate	4803	Float	4	R W	Percent Per Second	0.1	0 - 100
Voltage Trim	Pre-position 2 Ramp Rate	4805	Float	4	R W	Percent Per Second	0.1	0 - 100
Voltage Trim	Pre-position 3 Ramp Rate	4807	Float	4	R W	Percent Per Second	0.1	0 - 100
Voltage Trim	Pre-position 4 Ramp Rate	4809	Float	4	R W	Percent Per Second	0.1	0 - 100
Voltage Trim	Pre-position 5 Ramp Rate	4811	Float	4	R W	Percent Per Second	0.1	0 - 100
Voltage Trim	Auto Save	4813	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Speed Trim	Setpoint Max	4815	Float	4	R W	Percent	0.1	0 - 100
Speed Trim	Setpoint Min	4817	Float	4	R W	Percent	0.1	0 - 100
Speed Trim	Ramp Rate	4819	Float	4	R W	Percent Per Second	0.1	0.1 - 100
Speed Trim	Pre-position 1	4821	Float	4	R W	Percent	0.1	0 - 100
Speed Trim	Pre-position 2	4823	Float	4	R W	Percent	0.1	0 - 100
Speed Trim	Pre-position 3	4825	Float	4	R W	Percent	0.1	0 - 100
Speed Trim	Pre-position 4	4827	Float	4	R W	Percent	0.1	0 - 100
Speed Trim	Pre-position 5	4829	Float	4	R W	Percent	0.1	0 - 100
Speed Trim	Pre-position 1 Ramp Rate	4831	Float	4	R W	Percent Per Second	0.1	0 - 100
Speed Trim	Pre-position 2 Ramp Rate	4833	Float	4	R W	Percent Per Second	0.1	0 - 100
Speed Trim	Pre-position 3 Ramp Rate	4835	Float	4	R W	Percent Per Second	0.1	0 - 100
Speed Trim	Pre-position 4 Ramp Rate	4837	Float	4	R W	Percent Per Second	0.1	0 - 100
Speed Trim	Pre-position 5 Ramp Rate	4839	Float	4	R W	Percent Per Second	0.1	0 - 100
Speed Trim	Auto Save	4841	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Baseload Level	Setpoint Max	4843	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Setpoint Min	4845	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Analog Input Source	4847	Uint32	4	R W	n/a	n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37
Baseload Level	Bias Max	4849	Float	4	R W	Percent	0.1	-100 - 100
Baseload Level	Bias Min	4851	Float	4	R W	Percent	0.1	-100 - 100
Baseload Level	Ramp Rate	4853	Float	4	R W	Percent Per Second	0.1	0.1 - 100
Baseload Level	Pre-position 1	4855	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre-position 2	4857	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre-position 3	4859	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre-position 4	4861	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre-position 5	4863	Float	4	R W	Percent	0.1	0 - 100
Baseload Level	Pre-position 1 Ramp Rate	4865	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Pre-position 2 Ramp Rate	4867	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Pre-position 3 Ramp Rate	4869	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Pre-position 4 Ramp Rate	4871	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Pre-position 5 Ramp Rate	4873	Float	4	R W	Percent Per Second	0.1	0 - 100
Baseload Level	Auto Save	4875	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Island Baseload Level	Setpoint Max	4877	Float	4	R W	Percent	0.1	0 - 100
Island Baseload Level	Setpoint Min	4879	Float	4	R W	Percent	0.1	0 - 100
Island Baseload Level	Analog Input Source	4881	Uint32	4	R W	n/a	n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37
Island Baseload Level	Bias Max	4883	Float	4	R W	Percent	0.1	-100 - 100
Island Baseload Level	Bias Min	4885	Float	4	R W	Percent	0.1	-100 - 100
Island Baseload Level	Ramp Rate	4887	Float	4	R W	Percent Per Second	0.1	0.1 - 100
Island Baseload Level	Pre-position 1	4889	Float	4	R W	Percent	0.1	0 - 100
Island Baseload Level	Pre-position 2	4891	Float	4	R W	Percent	0.1	0 - 100
Island Baseload Level	Pre-position 3	4893	Float	4	R W	Percent	0.1	0 - 100
Island Baseload Level	Pre-position 4	4895	Float	4	R W	Percent	0.1	0 - 100
Island Baseload Level	Pre-position 5	4897	Float	4	R W	Percent	0.1	0 - 100
Island Baseload Level	Pre-position 1 Ramp Rate	4899	Float	4	R W	Percent Per Second	0.1	0 - 100
Island Baseload Level	Pre-position 2 Ramp Rate	4901	Float	4	R W	Percent Per Second	0.1	0 - 100
Island Baseload Level	Pre-position 3 Ramp Rate	4903	Float	4	R W	Percent Per Second	0.1	0 - 100
Island Baseload Level	Pre-position 4 Ramp Rate	4905	Float	4	R W	Percent Per Second	0.1	0 - 100
Island Baseload Level	Pre-position 5 Ramp Rate	4907	Float	4	R W	Percent Per Second	0.1	0 - 100
Island Baseload Level	Auto Save	4909	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Kvar Setpoint	Setpoint Max	4911	Float	4	R W	Percent	0.1	0 - 100
Kvar Setpoint	Setpoint Min	4913	Float	4	R W	Percent	0.1	0 - 100
Kvar Setpoint	Analog Input Source	4915	Uint32	4	R W	n/a	n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37
Kvar Setpoint	Bias Max	4917	Float	4	R W	Percent	0.1	-100 - 100
Kvar Setpoint	Bias Min	4919	Float	4	R W	Percent	0.1	-100 - 100
Kvar Setpoint	Ramp Rate	4921	Float	4	R W	Percent Per Second	0.1	0.1 - 100
Kvar Setpoint	Pre-position 1	4923	Float	4	R W	Percent	0.1	0 - 100
Kvar Setpoint	Pre-position 2	4925	Float	4	R W	Percent	0.1	0 - 100
Kvar Setpoint	Pre-position 3	4927	Float	4	R W	Percent	0.1	0 - 100
Kvar Setpoint	Pre-position 4	4929	Float	4	R W	Percent	0.1	0 - 100
Kvar Setpoint	Pre-position 5	4931	Float	4	R W	Percent	0.1	0 - 100
Kvar Setpoint	Pre-position 1 Ramp Rate	4933	Float	4	R W	Percent Per Second	0.1	0 - 100
Kvar Setpoint	Pre-position 2 Ramp Rate	4935	Float	4	R W	Percent Per Second	0.1	0 - 100
Kvar Setpoint	Pre-position 3 Ramp Rate	4937	Float	4	R W	Percent Per Second	0.1	0 - 100
Kvar Setpoint	Pre-position 4 Ramp Rate	4939	Float	4	R W	Percent Per Second	0.1	0 - 100
Kvar Setpoint	Pre-position 5 Ramp Rate	4941	Float	4	R W	Percent Per Second	0.1	0 - 100
Kvar Setpoint	Auto Save	4943	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coolant Temp Sender Fail	Minimum Input Resistance	4945	Float	4	R W	Ohm	0.1	0 - 3500
Coolant Temp Sender Fail	Maximum Input Resistance	4947	Float	4	R W	Ohm	0.1	0 - 3500
Coolant Temp Sender Fail	Contact Recognition	4949	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Oil Pressure Sender Fail	Minimum Input Resistance	4951	Float	4	R W	Ohm	0.1	0 - 300
Oil Pressure Sender Fail	Maximum Input Resistance	4953	Float	4	R W	Ohm	0.1	0 - 300
Oil Pressure Sender Fail	Contact Recognition	4955	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Fuel Level Sender Fail	Minimum Input Resistance	4957	Float	4	R W	Ohm	0.1	0 - 300
Fuel Level Sender Fail	Maximum Input Resistance	4959	Float	4	R W	Ohm	0.1	0 - 300
Fuel Level Sender Fail	Contact Recognition	4961	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Reserved		4963-67						
Genset Controller	Minimum Cranking Time	4969	Float	4	R W	Second	0.1	0 - 3
Alarm Enable	CEM 5 Comm Fail Pre-Alarm Enable	4971	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Alarm Enable	CEM 6 Comm Fail Pre-Alarm Enable	4973	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Genset Controller	Minimum Generator Current for Metering	4975	Float	4	R W	Percent	0.1	0 - 100
Genset Controller	Generator Control Type	4977	Uint32	4	R W	n/a	n/a	Direct=0 Supervisory=1
Genset Controller	Supervisor Max Gen Start Time	4979	Int32	4	R W	Second	1	1 - 3000
Genset Controller	Start Success Rpm Percent	4981	Uint32	4	R W	Percent	1	10 - 100
ECU Config	CAN Bus Bit Rate Source	4983	Uint32	4	R W	n/a	n/a	ECU Configuration=0 User Setting=1
ECU Config	CAN Bus Bit Rate	4985	Uint32	4	R W	n/a	n/a	125 Kb=0 250 Kb=1 500 Kb=2 1000 Kb=3
ECU Config	Generator Ac Power PGN Broadcast Rate	4987	Uint32	4	R W	n/a	n/a	5 msec=5 10 msec=10 20 msec=20 30 msec=30 40 msec=40 50 msec=50 60 msec=60

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								70 msec=70 80 msec=80 90 msec=90 100 msec=100 150 msec=150 200 msec=200 250 msec=250
Load Shedding	Enable	15000	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Load Shedding	Load Add Reserve	15002	Float	4	R W	Kilowatt	0.1	0 - 999999
Load Shedding	Load Add Reserve Bias 1	15004	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 2	15006	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 3	15008	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 4	15010	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 5	15012	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 6	15014	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 7	15016	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 8	15018	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 9	15020	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 10	15022	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 11	15024	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 12	15026	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 13	15028	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 14	15030	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 15	15032	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load Add Reserve Bias 16	15034	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 1 Priority	15036	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 1 Delay	15038	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 1 Fast Delay	15040	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 1 Add Delay	15042	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 1 kW Size	15044	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 2 Priority	15046	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 2 Delay	15048	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 2 Fast Delay	15050	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 2 Add Delay	15052	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 2 kW Size	15054	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 3 Priority	15056	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 3 Delay	15058	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 3 Fast Delay	15060	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 3 Add Delay	15062	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 3 kW Size	15064	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 4 Priority	15066	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 4 Delay	15068	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 4 Fast Delay	15070	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 4 Add Delay	15072	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 4 kW Size	15074	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 5 Priority	15076	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 5 Delay	15078	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 5 Fast Delay	15080	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 5 Add Delay	15082	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 5 kW Size	15084	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 6 Priority	15086	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 6 Delay	15088	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 6 Fast Delay	15090	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 6 Add Delay	15092	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 6 kW Size	15094	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 7 Priority	15096	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 7 Delay	15098	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 7 Fast Delay	15100	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 7 Add Delay	15102	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 7 kW Size	15104	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 8 Priority	15106	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 8 Delay	15108	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 8 Fast Delay	15110	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 8 Add Delay	15112	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 8 kW Size	15114	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 9 Priority	15116	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 9 Delay	15118	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 9 Fast Delay	15120	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 9 Add Delay	15122	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 9 kW Size	15124	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 10 Priority	15126	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 10 Delay	15128	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 10 Fast Delay	15130	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 10 Add Delay	15132	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 10 kW Size	15134	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 11 Priority	15136	UInt32	4	R W	n/a	1	0 - 255

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DGC Settings Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Load Shedding	Load 26 Fast Delay	15290	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 26 Add Delay	15292	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 26 kW Size	15294	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 27 Priority	15296	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 27 Delay	15298	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 27 Fast Delay	15300	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 27 Add Delay	15302	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 27 kW Size	15304	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 28 Priority	15306	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 28 Delay	15308	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 28 Fast Delay	15310	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 28 Add Delay	15312	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 28 kW Size	15314	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 29 Priority	15316	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 29 Delay	15318	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 29 Fast Delay	15320	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 29 Add Delay	15322	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 29 kW Size	15324	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 30 Priority	15326	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 30 Delay	15328	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 30 Fast Delay	15330	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 30 Add Delay	15332	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 30 kW Size	15334	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 31 Priority	15336	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 31 Delay	15338	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 31 Fast Delay	15340	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 31 Add Delay	15342	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 31 kW Size	15344	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 32 Priority	15346	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 32 Delay	15348	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 32 Fast Delay	15350	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 32 Add Delay	15352	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 32 kW Size	15354	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 33 Priority	15356	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 33 Delay	15358	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 33 Fast Delay	15360	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 33 Add Delay	15362	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 33 kW Size	15364	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 34 Priority	15366	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 34 Delay	15368	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 34 Fast Delay	15370	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 34 Add Delay	15372	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 34 kW Size	15374	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 35 Priority	15376	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 35 Delay	15378	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 35 Fast Delay	15380	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 35 Add Delay	15382	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 35 kW Size	15384	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 36 Priority	15386	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 36 Delay	15388	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 36 Fast Delay	15390	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 36 Add Delay	15392	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 36 kW Size	15394	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 37 Priority	15396	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 37 Delay	15398	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 37 Fast Delay	15400	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 37 Add Delay	15402	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 37 kW Size	15404	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 38 Priority	15406	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 38 Delay	15408	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 38 Fast Delay	15410	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 38 Add Delay	15412	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 38 kW Size	15414	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 39 Priority	15416	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 39 Delay	15418	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 39 Fast Delay	15420	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 39 Add Delay	15422	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 39 kW Size	15424	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 40 Priority	15426	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 40 Delay	15428	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 40 Fast Delay	15430	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 40 Add Delay	15432	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 40 kW Size	15434	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 41 Priority	15436	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 41 Delay	15438	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 41 Fast Delay	15440	Float	4	R W	Second	0.1	0 - 60

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Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Load Shedding	Load 56 kW Size	15594	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 57 Priority	15596	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 57 Delay	15598	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 57 Fast Delay	15600	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 57 Add Delay	15602	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 57 kW Size	15604	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 58 Priority	15606	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 58 Delay	15608	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 58 Fast Delay	15610	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 58 Add Delay	15612	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 58 kW Size	15614	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 59 Priority	15616	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 59 Delay	15618	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 59 Fast Delay	15620	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 59 Add Delay	15622	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 59 kW Size	15624	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 60 Priority	15626	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 60 Delay	15628	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 60 Fast Delay	15630	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 60 Add Delay	15632	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 60 kW Size	15634	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 61 Priority	15636	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 61 Delay	15638	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 61 Fast Delay	15640	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 61 Add Delay	15642	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 61 kW Size	15644	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 62 Priority	15646	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 62 Delay	15648	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 62 Fast Delay	15650	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 62 Add Delay	15652	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 62 kW Size	15654	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 63 Priority	15656	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 63 Delay	15658	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 63 Fast Delay	15660	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 63 Add Delay	15662	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 63 kW Size	15664	Float	4	R W	Kilowatt	1	0 - 999999
Load Shedding	Load 64 Priority	15666	UInt32	4	R W	n/a	1	0 - 255
Load Shedding	Load 64 Delay	15668	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 64 Fast Delay	15670	Float	4	R W	Second	0.1	0 - 60
Load Shedding	Load 64 Add Delay	15672	Float	4	R W	Second	0.1	0 - 3600
Load Shedding	Load 64 kW Size	15674	Float	4	R W	Kilowatt	1	0 - 999999
PF Setpoint	Analog Input Source	15676	UInt32	4	R W	n/a	n/a	None=0 Local Analog Input 1=1 Local Analog Input 2=2 Local Analog Input 3=3 Local Analog Input 4=4 AEM 1 Analog In 1=5 AEM 1 Analog In 2=6 AEM 1 Analog In 3=7 AEM 1 Analog In 4=8 AEM 1 Analog In 5=9 AEM 1 Analog In 6=10 AEM 1 Analog In 7=11 AEM 1 Analog In 8=12 AEM 2 Analog In 1=13 AEM 2 Analog In 2=14 AEM 2 Analog In 3=15 AEM 2 Analog In 4=16 AEM 2 Analog In 5=17 AEM 2 Analog In 6=18 AEM 2 Analog In 7=19 AEM 2 Analog In 8=20 AEM 3 Analog In 1=21 AEM 3 Analog In 2=22 AEM 3 Analog In 3=23 AEM 3 Analog In 4=24 AEM 3 Analog In 5=25 AEM 3 Analog In 6=26 AEM 3 Analog In 7=27 AEM 3 Analog In 8=28 AEM 4 Analog In 1=29 AEM 4 Analog In 2=30 AEM 4 Analog In 3=31 AEM 4 Analog In 4=32 AEM 4 Analog In 5=33 AEM 4 Analog In 6=34 AEM 4 Analog In 7=35 AEM 4 Analog In 8=36 System Manager=37

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
PF Setpoint	Bias Max	15678	Float	4	R W	Percent	0.1	-100 - 100
PF Setpoint	Bias Min	15680	Float	4	R W	Percent	0.1	-100 - 100
PF Setpoint	Ramp Rate	15682	Float	4	R W	Percent	0.1	0.1 - 100
PF Setpoint	Pre-position 1 Ramp Rate	15684	Float	4	R W	Percent	0.1	0 - 100
PF Setpoint	Pre-position 2 Ramp Rate	15686	Float	4	R W	Percent	0.1	0 - 100
PF Setpoint	Pre-position 3 Ramp Rate	15688	Float	4	R W	Percent	0.1	0 - 100
PF Setpoint	Pre-position 4 Ramp Rate	15690	Float	4	R W	Percent	0.1	0 - 100
PF Setpoint	Pre-position 5 Ramp Rate	15692	Float	4	R W	Percent	0.1	0 - 100
PF Setpoint	Auto Save	15694	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Demand Start Stop	Start level 1 timeout setting	15696	Float	4	R W	Second	1	0 - 32000
Demand Start Stop	Start level 2 timeout setting	15698	Float	4	R W	Second	1	0 - 32000
Demand Start Stop	Stop timeout setting	15700	Float	4	R W	Second	1	0 - 32000
Demand Start Stop	Delayed start level 1 setting	15702	Float	4	R W	Per Unit	0.001	0 - 1
Demand Start Stop	Delayed start level 2 setting	15704	Float	4	R W	Per Unit	0.001	0 - 1
Demand Start Stop	Delayed stop level setting	15706	Float	4	R W	Per Unit	0.001	0 - 1
Demand Start Stop	Demand start stop mode	15708	Uint32	4	R W	n/a	n/a	Disabled=0 Per Unit Load=1 Spinning Reserve=2
Demand Start Stop	Sequencing allow last unit shutdown enable setting	15710	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Demand Start Stop	Spinning Reserve Capacity 1	15712	Float	4	R W	Kilowatt	1	1 - 999999
Demand Start Stop	Spinning Reserve Capacity 2	15714	Float	4	R W	Kilowatt	1	1 - 999999
Demand Start Stop	Spinning Reserve Hysteresis	15716	Float	4	R W	Kilowatt	1	5 - 65000
Demand Start Stop	Spinning Reserve Start 1 Timeout	15718	Float	4	R W	Second	1	0 - 32000
Demand Start Stop	Spinning Reserve Start 2 Timeout	15720	Float	4	R W	Second	1	0 - 32000
Demand Start Stop	Spinning Reserve Stop Timeout	15722	Float	4	R W	Second	1	0 - 32000
Mains Parallel Demand Start Stop	Start Level 1 Timeout Setting	15724	Float	4	R W	Second	1	0 - 32000
Mains Parallel Demand Start Stop	Start level 2 timeout setting	15726	Float	4	R W	Second	1	0 - 32000
Mains Parallel Demand Start Stop	Stop timeout setting	15728	Float	4	R W	Second	1	0 - 32000
Mains Parallel Demand Start Stop	Delayed start level 1 setting	15730	Float	4	R W	Per Unit	0.001	0 - 1
Mains Parallel Demand Start Stop	Delayed start level 2 setting	15732	Float	4	R W	Per Unit	0.001	0 - 1
Mains Parallel Demand Start Stop	Delayed stop level setting	15734	Float	4	R W	Per Unit	0.001	0 - 1
Mains Parallel Demand Start Stop	Demand start stop mode	15736	Uint32	4	R W	n/a	n/a	Disabled=0 Per Unit Load=1 Spinning Reserve=2
Mains Parallel Demand Start Stop	Sequencing allow last unit shutdown enable setting	15738	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Mains Parallel Demand Start Stop	Spinning Reserve Capacity 1	15740	Float	4	R W	Kilowatt	1	1 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Capacity 2	15742	Float	4	R W	Kilowatt	1	1 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Hysteresis	15744	Float	4	R W	Kilowatt	1	5 - 65000
Mains Parallel Demand Start Stop	Spinning Reserve Start 1 Timeout	15746	Float	4	R W	Second	1	0 - 32000
Mains Parallel Demand Start Stop	Spinning Reserve Start 2 Timeout	15748	Float	4	R W	Second	1	0 - 32000
Mains Parallel Demand Start Stop	Spinning Reserve Stop Timeout	15750	Float	4	R W	Second	1	0 - 32000
Battery Charger 1	Battery Charger CAN Bus Type	15752	Uint32	4	R W	n/a	n/a	None=0 Standard=1 Sens=2
Battery Charger 1	Comms Fail Pre-Alarm Enable	15754	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 1	Battery Failure Pre-Alarm Enable	15756	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 1	Charger Fail Pre-Alarm Enable	15758	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 1	AC Disconnected Pre-Alarm Enable	15760	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 1	Thermal Limit Pre-Alarm Enable	15762	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 1	High Output Voltage Pre-Alarm Enable	15764	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 1	Low Output Voltage Pre-Alarm Enable	15766	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 1	Low Cranking Voltage Pre-Alarm Enable	15768	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Battery Charger 1	Invalid Settings Pre-Alarm Enable	15770	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 1	Single Unit Fail Pre-Alarm Enable	15772	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	Battery Charger CAN Bus Type	15774	Uint32	4	R W	n/a	n/a	None=0 Standard=1 Sens=2
Battery Charger 2	Comms Fail Pre-Alarm Enable	15776	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	Battery Failure Pre-Alarm Enable	15778	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	Charger Fail Pre-Alarm Enable	15780	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	AC Disconnected Pre-Alarm Enable	15782	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	Thermal Limit Pre-Alarm Enable	15784	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	High Output Voltage Pre-Alarm Enable	15786	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	Low Output Voltage Pre-Alarm Enable	15788	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	Low Cranking Voltage Pre-Alarm Enable	15790	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	Invalid Settings Pre-Alarm Enable	15792	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Charger 2	Single Unit Fail Pre-Alarm Enable	15794	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Config DTC 1	Contact Recognition	15796	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 1	Alarm Configuration	15798	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 1	Activation Delay	15800	Float	4	R W	Second	0.1	0 – 300
Config DTC 1	Suspect Parameter Number	15802	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 1	Failure Mode Indicator	15804	Uint32	4	R W	n/a	1	0 – 31
Config DTC 2	Contact Recognition	15806	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 2	Alarm Configuration	15808	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 2	Activation Delay	15810	Float	4	R W	Second	0.1	0 – 300
Config DTC 2	Suspect Parameter Number	15812	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 2	Failure Mode Indicator	15814	Uint32	4	R W	n/a	1	0 – 31
Config DTC 3	Contact Recognition	15816	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 3	Alarm Configuration	15818	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 3	Activation Delay	15820	Float	4	R W	Second	0.1	0 – 300
Config DTC 3	Suspect Parameter Number	15822	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 3	Failure Mode Indicator	15824	Uint32	4	R W	n/a	1	0 – 31
Config DTC 4	Contact Recognition	15826	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 4	Alarm Configuration	15828	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 4	Activation Delay	15830	Float	4	R W	Second	0.1	0 – 300
Config DTC 4	Suspect Parameter Number	15832	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 4	Failure Mode Indicator	15834	Uint32	4	R W	n/a	1	0 – 31

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Config DTC 5	Contact Recognition	15836	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 5	Alarm Configuration	15838	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 5	Activation Delay	15840	Float	4	R W	Second	0.1	0 – 300
Config DTC 5	Suspect Parameter Number	15842	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 5	Failure Mode Indicator	15844	Uint32	4	R W	n/a	1	0 – 31
Config DTC 6	Contact Recognition	15846	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 6	Alarm Configuration	15848	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 6	Activation Delay	15850	Float	4	R W	Second	0.1	0 – 300
Config DTC 6	Suspect Parameter Number	15852	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 6	Failure Mode Indicator	15854	Uint32	4	R W	n/a	1	0 – 31
Config DTC 7	Contact Recognition	15856	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 7	Alarm Configuration	15858	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 7	Activation Delay	15860	Float	4	R W	Second	0.1	0 – 300
Config DTC 7	Suspect Parameter Number	15862	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 7	Failure Mode Indicator	15864	Uint32	4	R W	n/a	1	0 – 31
Config DTC 8	Contact Recognition	15866	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 8	Alarm Configuration	15868	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 8	Activation Delay	15870	Float	4	R W	Second	0.1	0 – 300
Config DTC 8	Suspect Parameter Number	15872	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 8	Failure Mode Indicator	15874	Uint32	4	R W	n/a	1	0 – 31
Config DTC 9	Contact Recognition	15876	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 9	Alarm Configuration	15878	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 9	Activation Delay	15880	Float	4	R W	Second	0.1	0 – 300
Config DTC 9	Suspect Parameter Number	15882	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 9	Failure Mode Indicator	15884	Uint32	4	R W	n/a	1	0 – 31
Config DTC 10	Contact Recognition	15886	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 10	Alarm Configuration	15888	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 10	Activation Delay	15890	Float	4	R W	Second	0.1	0 – 300
Config DTC 10	Suspect Parameter Number	15892	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 10	Failure Mode Indicator	15894	Uint32	4	R W	n/a	1	0 – 31
Config DTC 11	Contact Recognition	15896	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Config DTC 11	Alarm Configuration	15898	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 11	Activation Delay	15900	Float	4	R W	Second	0.1	0 – 300
Config DTC 11	Suspect Parameter Number	15902	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 11	Failure Mode Indicator	15904	Uint32	4	R W	n/a	1	0 – 31
Config DTC 12	Contact Recognition	15906	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 12	Alarm Configuration	15908	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 12	Activation Delay	15910	Float	4	R W	Second	0.1	0 – 300
Config DTC 12	Suspect Parameter Number	15912	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 12	Failure Mode Indicator	15914	Uint32	4	R W	n/a	1	0 – 31
Config DTC 13	Contact Recognition	15916	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 13	Alarm Configuration	15918	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 13	Activation Delay	15920	Float	4	R W	Second	0.1	0 – 300
Config DTC 13	Suspect Parameter Number	15922	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 13	Failure Mode Indicator	15924	Uint32	4	R W	n/a	1	0 – 31
Config DTC 14	Contact Recognition	15926	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 14	Alarm Configuration	15928	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 14	Activation Delay	15930	Float	4	R W	Second	0.1	0 – 300
Config DTC 14	Suspect Parameter Number	15932	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 14	Failure Mode Indicator	15934	Uint32	4	R W	n/a	1	0 – 31
Config DTC 15	Contact Recognition	15936	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 15	Alarm Configuration	15938	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 15	Activation Delay	15940	Float	4	R W	Second	0.1	0 – 300
Config DTC 15	Suspect Parameter Number	15942	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 15	Failure Mode Indicator	15944	Uint32	4	R W	n/a	1	0 – 31
Config DTC 16	Contact Recognition	15946	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config DTC 16	Alarm Configuration	15948	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config DTC 16	Activation Delay	15950	Float	4	R W	Second	0.1	0 – 300
Config DTC 16	Suspect Parameter Number	15952	Uint32	4	R W	n/a	1	0 – 524287
Config DTC 16	Failure Mode Indicator	15954	Uint32	4	R W	n/a	1	0 – 31
CEM 5	Enable	15956	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
CEM 5	CEM Output Config	15958	Uint32	4	R W	n/a	n/a	18 Outputs=0 24 Outputs=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 6	Enable	15960	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
CEM 6	CEM Output Config	15962	UInt32	4	R W	n/a	n/a	18 Outputs=0 24 Outputs=1
Demand Start Stop	Spinning Reserve Offset 1	15964	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 2	15966	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 3	15968	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 4	15970	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 5	15972	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 6	15974	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 7	15976	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 8	15978	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 9	15980	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 10	15982	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 11	15984	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 12	15986	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 13	15988	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 14	15990	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 15	15992	Float	4	R W	Kilowatt	1	0 - 999999
Demand Start Stop	Spinning Reserve Offset 16	15994	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 1	15996	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 2	15998	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 3	16000	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 4	16002	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 5	16004	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 6	16006	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 7	16008	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 8	16010	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 9	16012	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 10	16014	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 11	16016	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 12	16018	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 13	16020	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 14	16022	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 15	16024	Float	4	R W	Kilowatt	1	0 - 999999
Mains Parallel Demand Start Stop	Spinning Reserve Offset 16	16026	Float	4	R W	Kilowatt	1	0 - 999999
Coolant Level Sender Fail	Alarm Configuration	16028	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Cooland Level Sender Fail	Activation Delay	16030	Float	4	R W	Second	0.1	0 - 300
Global Sender Fail	Alarm Configuration	16032	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Global Sender Fail	Activation Delay	16034	Float	4	R W	Second	0.1	0 - 300
Load Shedding	Shed Load	16036	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Shed Load Fast	16038	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Add Load Inhibit	16040	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Trip All	16042	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Load Shedding	Add All	16044	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 1 Enable	16046	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 2 Enable	16048	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 3 Enable	16050	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 4 Enable	16052	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 5 Enable	16054	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 6 Enable	16056	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 7 Enable	16058	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 8 Enable	16060	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 9 Enable	16062	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 10 Enable	16064	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 11 Enable	16066	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 12 Enable	16068	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 13 Enable	16070	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 14 Enable	16072	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 15 Enable	16074	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Load Add Bias 16 Enable	16076	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 1 Load Add	16078	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 2 Load Add	16080	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 3 Load Add	16082	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 4 Load Add	16084	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 5 Load Add	16086	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 6 Load Add	16088	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 7 Load Add	16090	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 8 Load Add	16092	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 9 Load Add	16094	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 10 Load Add	16096	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 11 Load Add	16098	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 12 Load Add	16100	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 13 Load Add	16102	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 14 Load Add	16104	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 15 Load Add	16106	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 16 Load Add	16108	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 17 Load Add	16110	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 18 Load Add	16112	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 19 Load Add	16114	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 20 Load Add	16116	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 21 Load Add	16118	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 22 Load Add	16120	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Load Shedding	Priority 23 Load Add	16122	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 24 Load Add	16124	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 25 Load Add	16126	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 26 Load Add	16128	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 27 Load Add	16130	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 28 Load Add	16132	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 29 Load Add	16134	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 30 Load Add	16136	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 31 Load Add	16138	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 32 Load Add	16140	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 33 Load Add	16142	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 34 Load Add	16144	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 35 Load Add	16146	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 36 Load Add	16148	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 37 Load Add	16150	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 38 Load Add	16152	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 39 Load Add	16154	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 40 Load Add	16156	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 41 Load Add	16158	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 42 Load Add	16160	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 43 Load Add	16162	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 44 Load Add	16164	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 45 Load Add	16166	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 46 Load Add	16168	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 47 Load Add	16170	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 48 Load Add	16172	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 49 Load Add	16174	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 50 Load Add	16176	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 51 Load Add	16178	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 52 Load Add	16180	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 53 Load Add	16182	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 54 Load Add	16184	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 55 Load Add	16186	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 56 Load Add	16188	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 57 Load Add	16190	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 58 Load Add	16192	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 59 Load Add	16194	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 60 Load Add	16196	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 61 Load Add	16198	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Load Shedding	Priority 62 Load Add	16200	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 63 Load Add	16202	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 64 Load Add	16204	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 1 Load Trip	16206	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 2 Load Trip	16208	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 3 Load Trip	16210	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 4 Load Trip	16212	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 5 Load Trip	16214	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 6 Load Trip	16216	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 7 Load Trip	16218	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 8 Load Trip	16220	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 9 Load Trip	16222	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 10 Load Trip	16224	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 11 Load Trip	16226	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 12 Load Trip	16228	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 13 Load Trip	16230	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 14 Load Trip	16232	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 15 Load Trip	16234	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 16 Load Trip	16236	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 17 Load Trip	16238	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 18 Load Trip	16240	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 19 Load Trip	16242	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 20 Load Trip	16244	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 21 Load Trip	16246	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 22 Load Trip	16248	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 23 Load Trip	16250	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 24 Load Trip	16252	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 25 Load Trip	16254	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 26 Load Trip	16256	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 27 Load Trip	16258	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 28 Load Trip	16260	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 29 Load Trip	16262	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 30 Load Trip	16264	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 31 Load Trip	16266	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 32 Load Trip	16268	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 33 Load Trip	16270	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 34 Load Trip	16272	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 35 Load Trip	16274	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 36 Load Trip	16276	Uint32	4	R W	n/a	n/a	Programmable=0 Forced=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Load Shedding	Priority 37 Load Trip	16278	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 38 Load Trip	16280	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 39 Load Trip	16282	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 40 Load Trip	16284	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 41 Load Trip	16286	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 42 Load Trip	16288	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 43 Load Trip	16290	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 44 Load Trip	16292	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 45 Load Trip	16294	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 46 Load Trip	16296	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 47 Load Trip	16298	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 48 Load Trip	16300	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 49 Load Trip	16302	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 50 Load Trip	16304	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 51 Load Trip	16306	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 52 Load Trip	16308	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 53 Load Trip	16310	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 54 Load Trip	16312	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 55 Load Trip	16314	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 56 Load Trip	16316	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 57 Load Trip	16318	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 58 Load Trip	16320	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 59 Load Trip	16322	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 60 Load Trip	16324	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 61 Load Trip	16326	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 62 Load Trip	16328	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 63 Load Trip	16330	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Load Shedding	Priority 64 Load Trip	16332	UInt32	4	R W	n/a	n/a	Programmable=0 Forced=1
Config Element 9	Contact Recognition	16334	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 9	Alarm Configuration	16336	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 9	Activation Delay	16338	UInt32	4	R W	Second	1	0 - 300
Config Element 10	Contact Recognition	16340	UInt32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 10	Alarm Configuration	16342	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 10	Activation Delay	16344	UInt32	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Element 11	Contact Recognition	16346	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 11	Alarm Configuration	16348	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 11	Activation Delay	16350	Uint32	4	R W	Second	1	0 - 300
Config Element 12	Contact Recognition	16352	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 12	Alarm Configuration	16354	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 12	Activation Delay	16356	Uint32	4	R W	Second	1	0 - 300
Config Element 13	Contact Recognition	16358	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 13	Alarm Configuration	16360	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 13	Activation Delay	16362	Uint32	4	R W	Second	1	0 - 300
Config Element 14	Contact Recognition	16364	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 14	Alarm Configuration	16366	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 14	Activation Delay	16368	Uint32	4	R W	Second	1	0 - 300
Config Element 15	Contact Recognition	16370	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 15	Alarm Configuration	16372	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 15	Activation Delay	16374	Uint32	4	R W	Second	1	0 - 300
Config Element 16	Contact Recognition	16376	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 16	Alarm Configuration	16378	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 16	Activation Delay	16380	Uint32	4	R W	Second	1	0 - 300
Config Element 17	Contact Recognition	16382	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 17	Alarm Configuration	16384	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 17	Activation Delay	16386	Uint32	4	R W	Second	1	0 - 300
Config Element 18	Contact Recognition	16388	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 18	Alarm Configuration	16390	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 18	Activation Delay	16392	Uint32	4	R W	Second	1	0 - 300
Config Element 19	Contact Recognition	16394	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 19	Alarm Configuration	16396	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 19	Activation Delay	16398	Uint32	4	R W	Second	1	0 - 300
Config Element 20	Contact Recognition	16400	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 20	Alarm Configuration	16402	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 20	Activation Delay	16404	Uint32	4	R W	Second	1	0 - 300
Config Element 21	Contact Recognition	16406	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 21	Alarm Configuration	16408	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 21	Activation Delay	16410	Uint32	4	R W	Second	1	0 - 300
Config Element 22	Contact Recognition	16412	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 22	Alarm Configuration	16414	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 22	Activation Delay	16416	Uint32	4	R W	Second	1	0 - 300
Config Element 23	Contact Recognition	16418	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 23	Alarm Configuration	16420	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 23	Activation Delay	16422	Uint32	4	R W	Second	1	0 - 300
Config Element 24	Contact Recognition	16424	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 24	Alarm Configuration	16426	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 24	Activation Delay	16428	Uint32	4	R W	Second	1	0 - 300
Config Element 25	Contact Recognition	16430	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 25	Alarm Configuration	16432	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
								Cooldown=5 Latched Pre-Alarm=6
Config Element 25	Activation Delay	16434	Uint32	4	R W	Second	1	0 - 300
Config Element 26	Contact Recognition	16436	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 26	Alarm Configuration	16438	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 26	Activation Delay	16440	Uint32	4	R W	Second	1	0 - 300
Config Element 27	Contact Recognition	16442	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 27	Alarm Configuration	16444	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 27	Activation Delay	16446	Uint32	4	R W	Second	1	0 - 300
Config Element 28	Contact Recognition	16448	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 28	Alarm Configuration	16450	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 28	Activation Delay	16452	Uint32	4	R W	Second	1	0 - 300
Config Element 29	Contact Recognition	16454	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 29	Alarm Configuration	16456	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 29	Activation Delay	16458	Uint32	4	R W	Second	1	0 - 300
Config Element 30	Contact Recognition	16460	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 30	Alarm Configuration	16462	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 30	Activation Delay	16464	Uint32	4	R W	Second	1	0 - 300
Config Element 31	Contact Recognition	16466	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 31	Alarm Configuration	16468	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 31	Activation Delay	16470	Uint32	4	R W	Second	1	0 - 300
Config Element 32	Contact Recognition	16472	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
Config Element 32	Alarm Configuration	16474	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Element 32	Activation Delay	16476	Uint32	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 5 Contact Input 1	Contact Recognition	16478	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 1	Alarm Configuration	16480	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 1	Activation Delay	16482	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 1	Contact Type	16484	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 1	Activation Delay Timer Metering	16486	Uint32	4	R	Second	1	0 - 300
CEM 5 Contact Input 2	Contact Recognition	16488	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 2	Alarm Configuration	16490	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 2	Activation Delay	16492	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 2	Contact Type	16494	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 2	Activation Delay Timer Metering	16496	Uint32	4	R	Second	1	0 - 300
CEM 5 Contact Input 3	Contact Recognition	16498	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 3	Alarm Configuration	16500	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 3	Activation Delay	16502	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 3	Contact Type	16504	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 3	Activation Delay Timer Metering	16506	Uint32	4	R	Second	1	0 - 300
CEM 5 Contact Input 4	Contact Recognition	16508	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 4	Alarm Configuration	16510	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 4	Activation Delay	16512	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 4	Contact Type	16514	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 4	Activation Delay Timer Metering	16516	Uint32	4	R	Second	1	0 - 300
CEM 5 Contact Input 5	Contact Recognition	16518	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 5	Alarm Configuration	16520	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 5	Activation Delay	16522	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 5	Contact Type	16524	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 5	Activation Delay Timer Metering	16526	Uint32	4	R	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 5 Contact Input 6	Contact Recognition	16528	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 6	Alarm Configuration	16530	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 6	Activation Delay	16532	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 6	Contact Type	16534	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 6	Activation Delay Timer Metering	16536	Uint32	4	R	Second	1	0 - 300
CEM 5 Contact Input 7	Contact Recognition	16538	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 7	Alarm Configuration	16540	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 7	Activation Delay	16542	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 7	Contact Type	16544	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 7	Activation Delay Timer Metering	16546	Uint32	4	R	Second	1	0 - 300
CEM 5 Contact Input 8	Contact Recognition	16548	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 8	Alarm Configuration	16550	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 8	Activation Delay	16552	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 8	Contact Type	16554	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 8	Activation Delay Timer Metering	16556	Uint32	4	R	Second	1	0 - 300
CEM 5 Contact Input 9	Contact Recognition	16558	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 9	Alarm Configuration	16560	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 9	Activation Delay	16562	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 9	Contact Type	16564	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 9	Activation Delay Timer Metering	16566	Uint32	4	R	Second	1	0 - 300
CEM 5 Contact Input 10	Contact Recognition	16568	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 5 Contact Input 10	Alarm Configuration	16570	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 5 Contact Input 10	Activation Delay	16572	Uint32	4	R W	Second	1	0 - 300
CEM 5 Contact Input 10	Contact Type	16574	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 5 Contact Input 10	Activation Delay Timer Metering	16576	Uint32	4	R	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 6 Contact Input 1	Contact Recognition	16578	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 1	Alarm Configuration	16580	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 1	Activation Delay	16582	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 1	Contact Type	16584	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 1	Activation Delay Timer Metering	16586	Uint32	4	R	Second	1	0 - 300
CEM 6 Contact Input 2	Contact Recognition	16588	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 2	Alarm Configuration	16590	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 2	Activation Delay	16592	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 2	Contact Type	16594	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 2	Activation Delay Timer Metering	16596	Uint32	4	R	Second	1	0 - 300
CEM 6 Contact Input 3	Contact Recognition	16598	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 3	Alarm Configuration	16600	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 3	Activation Delay	16602	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 3	Contact Type	16604	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 3	Activation Delay Timer Metering	16606	Uint32	4	R	Second	1	0 - 300
CEM 6 Contact Input 4	Contact Recognition	16608	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 4	Alarm Configuration	16610	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 4	Activation Delay	16612	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 4	Contact Type	16614	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 4	Activation Delay Timer Metering	16616	Uint32	4	R	Second	1	0 - 300
CEM 6 Contact Input 5	Contact Recognition	16618	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 5	Alarm Configuration	16620	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 5	Activation Delay	16622	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 5	Contact Type	16624	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 5	Activation Delay Timer Metering	16626	Uint32	4	R	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 6 Contact Input 6	Contact Recognition	16628	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 6	Alarm Configuration	16630	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 6	Activation Delay	16632	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 6	Contact Type	16634	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 6	Activation Delay Timer Metering	16636	Uint32	4	R	Second	1	0 - 300
CEM 6 Contact Input 7	Contact Recognition	16638	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 7	Alarm Configuration	16640	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 7	Activation Delay	16642	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 7	Contact Type	16644	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 7	Activation Delay Timer Metering	16646	Uint32	4	R	Second	1	0 - 300
CEM 6 Contact Input 8	Contact Recognition	16648	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 8	Alarm Configuration	16650	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 8	Activation Delay	16652	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 8	Contact Type	16654	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 8	Activation Delay Timer Metering	16656	Uint32	4	R	Second	1	0 - 300
CEM 6 Contact Input 9	Contact Recognition	16658	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 9	Alarm Configuration	16660	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 9	Activation Delay	16662	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 9	Contact Type	16664	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 9	Activation Delay Timer Metering	16666	Uint32	4	R	Second	1	0 - 300
CEM 6 Contact Input 10	Contact Recognition	16668	Uint32	4	R W	n/a	n/a	Always=0 Engine Running=1
CEM 6 Contact Input 10	Alarm Configuration	16670	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
CEM 6 Contact Input 10	Activation Delay	16672	Uint32	4	R W	Second	1	0 - 300
CEM 6 Contact Input 10	Contact Type	16674	Uint32	4	R W	n/a	n/a	Normally Open=0 Normally Closed=1
CEM 6 Contact Input 10	Activation Delay Timer Metering	16676	Uint32	4	R	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Alternate Rated Kw Handler	Rated Kw Alternate 1	16678	Float	4	R W	Kilowatt	0.01	0 - 1000000
Alternate Rated Kw Handler	Rated Kw Alternate 2	16680	Float	4	R W	Kilowatt	0.01	0 - 1000000
Alternate Rated Kw Handler	Rated Kw Alternate 3	16682	Float	4	R W	Kilowatt	0.01	0 - 1000000
Alternate Rated Kw Handler	Rated Kw Alternate 4	16684	Float	4	R W	Kilowatt	0.01	0 - 1000000
Alternate Rated Kw Handler	Active Rated Kw	16686	Float	4	R	Kilowatt	0.01	0 - 1000000
Alternate Rated Kw Handler	Rated Kw Alternate Selected	16688	Uint32	4	R	n/a	1	0 - 4
Alternate Rated Kw Handler	Active Rated Kvar	16690	Float	4	R	KiloVar	0.01	0 - 1000000
Alternate Rated Kw Handler	Active Rated Kva	16692	Float	4	R	KiloVA	0.01	1 - 1000000
Alternate Rated Kw Handler	Active Rated Pf	16694	Float	4	R	Power Factor	0.01	-1 - 1
ECU Config	TSC1 PE Address	16696	Alternate Rated Kw Handler	4	R W	n/a	1	1 - 253
ECU Config	TSC1 TE Address	16698	Uint32	4	R W	n/a	1	1 - 253
ECU Config	Secondary Engine ECU Address	16700	Uint32	4	R W	n/a	1	0 - 254
ECU Config	Aux CAN Bus Module 1 Address	16702	Uint32	4	R W	n/a	1	0 - 254
ECU Config	Aux CAN Bus Module 2 Address	16704	Uint32	4	R W	n/a	1	0 - 254
ECU Config	Aux CAN Bus Module 3 Address	16706	Uint32	4	R W	n/a	1	0 - 254
ECU Config	Aux CAN Bus Module 4 Address	16708	Uint32	4	R W	n/a	1	0 - 254
ECU Config	Clear Active Aux 1 DTCs	16710	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear Active Aux 2 DTCs	16712	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear Active Aux 3 DTCs	16714	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear Active Aux 4 DTCs	16716	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear All Active DTCs	16718	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear Previously Active Aux 1 DTCs	16720	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear Previously Active Aux 2 DTCs	16722	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear Previously Active Aux 3 DTCs	16724	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear Previously Active Aux 4 DTCs	16726	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Clear All Previously Active DTCs	16728	Uint32	4	R W	n/a	n/a	No=0 Yes=1
ECU Config	Reserved – Do Not Use	16730	Uint32	4	R W	n/a	1	0 - 4294967295
ECU Config	Reserved – Do Not Use	16732	Uint32	4	R W	n/a	1	0 - 4294967295
AVR Output	Param Selection	16734	Int32	4	R W	n/a	n/a	See the <i>Selectable Parameters</i> chapter for a complete list.
AVR Output	Output Type	16736	Uint32	4	R W	n/a	n/a	Voltage=0 Current=1
AVR Output	Param Min	16738	Float	4	R W	n/a	0.01	-999999 - 999999
AVR Output	Param Max	16740	Float	4	R W	n/a	0.01	-999999 - 999999
AVR Output	Current Min	16742	Float	4	R W	Milliamp	0.1	0 - 20
AVR Output	Current Max	16744	Float	4	R W	Milliamp	0.1	0 - 20
AVR Output	Voltage Min	16746	Float	4	R W	Volt	0.1	-10 - 10
AVR Output	Voltage Max	16748	Float	4	R W	Volt	0.1	-10 - 10
AVR Output	Response	16750	Uint32	4	R W	n/a	n/a	Increasing=0 Decreasing=1
Gov Output	Param Selection	16752	Int32	4	R W	n/a	n/a	See the <i>Selectable Parameters</i> chapter for a complete list
Gov Output	Output Type	16754	Uint32	4	R W	n/a	n/a	Voltage=0 Current=1
Gov Output	Param Min	16756	Float	4	R W	n/a	0.01	-999999 - 999999
Gov Output	Param Max	16758	Float	4	R W	n/a	0.01	-999999 - 999999
Gov Output	Current Min	16760	Float	4	R W	Milliamp	0.1	0 - 20
Gov Output	Current Max	16762	Float	4	R W	Milliamp	0.1	0 - 20
Gov Output	Voltage Min	16764	Float	4	R W	Volt	0.1	-10 - 10
Gov Output	Voltage Max	16766	Float	4	R W	Volt	0.1	-10 - 10
Gov Output	Response	16768	Uint32	4	R W	n/a	n/a	Increasing=0 Decreasing=1
LS Output	Param Selection	16770	Int32	4	R W	n/a	n/a	See the <i>Selectable Parameters</i> chapter for a complete list
LS Output	Output Type	16772	Uint32	4	R W	n/a	n/a	Voltage=0 Current=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
LS Output	Param Min	16774	Float	4	R W	n/a	0.01	-999999 - 999999
LS Output	Param Max	16776	Float	4	R W	n/a	0.01	-999999 - 999999
LS Output	Current Min	16778	Float	4	R W	Milliamp	0.1	0 - 20
LS Output	Current Max	16780	Float	4	R W	Milliamp	0.1	0 - 20
LS Output	Voltage Min	16782	Float	4	R W	Volt	0.1	-10 - 10
LS Output	Voltage Max	16784	Float	4	R W	Volt	0.1	-10 - 10
LS Output	Response	16786	Uint32	4	R W	n/a	n/a	Increasing=0 Decreasing=1

8 • Pulse Outputs Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AVR Pulse Output	Mode	5000	UInt32	4	R W	n/a	n/a	Continuous=0 Proportional=1
AVR Pulse Output	Correction Pulse Width	5002	Float	4	R W	Second	0.1	0 - 99.9
AVR Pulse Output	Correction Pulse Interval	5004	Float	4	R W	Second	0.1	0 - 99.9
GOV Pulse Output	Mode	5006	UInt32	4	R W	n/a	n/a	Continuous=0 Proportional=1
GOV Pulse Output	Correction Pulse Width	5008	Float	4	R W	Second	0.1	0 - 99.9
GOV Pulse Output	Correction Pulse Interval	5010	Float	4	R W	Second	0.1	0 - 99.9



9 • Control Settings Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Virtual Switch	Virtual Switch 1 State	5500	Uint32	4	R W	n/a	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 2 State	5502	Uint32	4	R W	n/a	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 3 State	5504	Uint32	4	R W	n/a	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 4 State	5506	Uint32	4	R W	n/a	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 5 State	5508	Uint32	4	R W	n/a	n/a	Open=0 Closed=1
Virtual Switch	Virtual Switch 6 State	5510	Uint32	4	R W	n/a	n/a	Open=0 Closed=1
Coms Control Group	Emergency Stop: Writing a 1 will toggle emergency stop from off to on. Writing a 1 again will toggle emergency stop from on to off. When read, Off state =0 and On state =1.	5512	Uint32	4	R W	n/a	n/a	Toggle On/Off=1
Coms Control Group	Remote Start	5514	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Remote Stop	5516	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Run Mode	5518	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Off Mode	5520	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Auto Mode	5522	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Gen Breaker Open Request	5524	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Gen Breaker Close Request	5526	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Mains Breaker Open Request	5528	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Mains Breaker Close Request	5530	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Emergency Stop	5532	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Run Request	5534	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Coms Alarm Reset	5536	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Reset Generator Maximum ROCOF	5538	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Reset Bus 1 Maximum ROCOF	5540	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Reset Bus 2 Maximum ROCOF	5542	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Reset Generator Maximum Vector Shift	5544	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Reset Bus 1 Maximum Vector Shift	5546	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Reset Bus 2 Maximum Vector Shift	5548	Uint32	4	R W	n/a	n/a	Trigger=1
Coms Control Group	Bus 1 Protection Reset	5550	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coms Control Group	Bus 2 Protection Reset	5552	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coms Control Group	Bus 1 Bus 2 Protection Reset	5554	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
High Current Contacts	Fuel Solenoid Logic Control	5556	Uint32	4	R W	n/a	n/a	Predefined=0 Programmable=1
High Current Contacts	Engine Start Delay Logic Control	5558	Uint32	4	R W	n/a	n/a	Predefined=0 Programmable=1
High Current Contacts	Master Start Output Logic Control	5560	Uint32	4	R W	n/a	n/a	Predefined=0 Programmable=1
Comms Control Group	Group Breaker Open Request	5562	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Comms Control Group	Group Breaker Close Request	5564	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Comms Control Group	Tie Breaker Open Request	5566	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Comms Control Group	Tie Breaker Close Request	5568	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Modbus Virtual Switches	Independent Virtual Switches	5570	UInt32	4	R W	n/a	n/a	Bit 0=Modbus Switch 1 Bit 1=Modbus Switch 2 Bit 2=Modbus Switch 3 Bit 3=Modbus Switch 4 Bit 4=Modbus Switch 5 Bit 5=Modbus Switch 6 Bit 6=Modbus Switch 7 Bit 7=Modbus Switch 8 Bit 8=Modbus Switch 9 Bit 9=Modbus Switch 10 Bit 10=Modbus Switch 11 Bit 11=Modbus Switch 12 Bit 12=Modbus Switch 13 Bit 13=Modbus Switch 14 Bit 14=Modbus Switch 15 Bit 15=Modbus Switch 16 Bit 16=Modbus Switch 17 Bit 17=Modbus Switch 18 Bit 18=Modbus Switch 19 Bit 19=Modbus Switch 20 Bit 20=Modbus Switch 21 Bit 21=Modbus Switch 22 Bit 22=Modbus Switch 23 Bit 23=Modbus Switch 24 Bit 24=Modbus Switch 25 Bit 25=Modbus Switch 26 Bit 26=Modbus Switch 27 Bit 27=Modbus Switch 28 Bit 28=Modbus Switch 29 Bit 29=Modbus Switch 30 Bit 30=Modbus Switch 31 Bit 31=Modbus Switch 32

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Modbus Virtual Switches	Independent Virtual Switches	5572	Uint32	4	R W	n/a	n/a	Bit 32=Modbus Switch 33 Bit 33=Modbus Switch 34 Bit 34=Modbus Switch 35 Bit 35=Modbus Switch 36 Bit 36=Modbus Switch 37 Bit 37=Modbus Switch 38 Bit 38=Modbus Switch 39 Bit 39=Modbus Switch 40 Bit 40=Modbus Switch 41 Bit 41=Modbus Switch 42 Bit 42=Modbus Switch 43 Bit 43=Modbus Switch 44 Bit 44=Modbus Switch 45 Bit 45=Modbus Switch 46 Bit 46=Modbus Switch 47 Bit 47=Modbus Switch 48 Bit 48=Modbus Switch 49 Bit 49=Modbus Switch 50 Bit 50=Modbus Switch 51 Bit 51=Modbus Switch 52 Bit 52=Modbus Switch 53 Bit 53=Modbus Switch 54 Bit 54=Modbus Switch 55 Bit 55=Modbus Switch 56 Bit 56=Modbus Switch 57 Bit 57=Modbus Switch 58 Bit 58=Modbus Switch 59 Bit 59=Modbus Switch 60 Bit 60=Modbus Switch 61 Bit 61=Modbus Switch 62 Bit 62=Modbus Switch 63 Bit 63=Modbus Switch 64

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Modbus Virtual Switches	Independent Virtual Switches	5574	Uint32	4	R W	n/a	n/a	Bit 64=Modbus Switch 65 Bit 65=Modbus Switch 66 Bit 66=Modbus Switch 67 Bit 67=Modbus Switch 68 Bit 68=Modbus Switch 69 Bit 69=Modbus Switch 70 Bit 70=Modbus Switch 71 Bit 71=Modbus Switch 72 Bit 72=Modbus Switch 73 Bit 73=Modbus Switch 74 Bit 74=Modbus Switch 75 Bit 75=Modbus Switch 76 Bit 76=Modbus Switch 77 Bit 77=Modbus Switch 78 Bit 78=Modbus Switch 79 Bit 79=Modbus Switch 80 Bit 80=Modbus Switch 81 Bit 81=Modbus Switch 82 Bit 82=Modbus Switch 83 Bit 83=Modbus Switch 84 Bit 84=Modbus Switch 85 Bit 85=Modbus Switch 86 Bit 86=Modbus Switch 87 Bit 87=Modbus Switch 88 Bit 88=Modbus Switch 89 Bit 89=Modbus Switch 90 Bit 90=Modbus Switch 91 Bit 91=Modbus Switch 92 Bit 92=Modbus Switch 93 Bit 93=Modbus Switch 94 Bit 94=Modbus Switch 95 Bit 95=Modbus Switch 96

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Modbus Virtual Switches	Independent Virtual Switches	5576	Uint32	4	R W	n/a	n/a	Bit 96=Modbus Switch 97 Bit 97=Modbus Switch 98 Bit 98=Modbus Switch 99 Bit 99=Modbus Switch 100 Bit 100=Modbus Switch 101 Bit 101=Modbus Switch 102 Bit 102=Modbus Switch 103 Bit 103=Modbus Switch 104 Bit 104=Modbus Switch 105 Bit 105=Modbus Switch 106 Bit 106=Modbus Switch 107 Bit 107=Modbus Switch 108 Bit 108=Modbus Switch 109 Bit 109=Modbus Switch 110 Bit 110=Modbus Switch 111 Bit 111=Modbus Switch 112 Bit 112=Modbus Switch 113 Bit 113=Modbus Switch 114 Bit 114=Modbus Switch 115 Bit 115=Modbus Switch 116 Bit 116=Modbus Switch 117 Bit 117=Modbus Switch 118 Bit 118=Modbus Switch 119 Bit 119=Modbus Switch 120 Bit 120=Modbus Switch 121 Bit 121=Modbus Switch 122 Bit 122=Modbus Switch 123 Bit 123=Modbus Switch 124 Bit 124=Modbus Switch 125 Bit 125=Modbus Switch 126 Bit 126=Modbus Switch 127 Bit 127=Modbus Switch 128
Coms Control Group	Tie Breaker 2 Open Request	5578	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coms Control Group	Tie Breaker 2 Close Request	5580	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Buzzer	Set Alarm Silence	5582	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1



10 • Global Settings Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
PLC Timed Element Settings	Timer 1 Timeout Hours	6000	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 1 Timeout Minutes	6002	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 1 Timeout Seconds	6004	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 2 Timeout Hours	6006	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 2 Timeout Minutes	6008	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 2 Timeout Seconds	6010	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 3 Timeout Hours	6012	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 3 Timeout Minutes	6014	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 3 Timeout Seconds	6016	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 4 Timeout Hours	6018	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 4 Timeout Minutes	6020	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 4 Timeout Seconds	6022	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 5 Timeout Hours	6024	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 5 Timeout Minutes	6026	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 5 Timeout Seconds	6028	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 6 Timeout Hours	6030	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 6 Timeout Minutes	6032	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 6 Timeout Seconds	6034	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 7 Timeout Hours	6036	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 7 Timeout Minutes	6038	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 7 Timeout Seconds	6040	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 8 Timeout Hours	6042	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 8 Timeout Minutes	6044	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 8 Timeout Seconds	6046	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 9 Timeout Hours	6048	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 9 Timeout Minutes	6050	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 9 Timeout Seconds	6052	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 10 Timeout Hours	6054	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 10 Timeout Minutes	6056	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 10 Timeout Seconds	6058	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 11 Timeout Hours	6060	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 11 Timeout Minutes	6062	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 11 Timeout Seconds	6064	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 12 Timeout Hours	6066	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 12 Timeout Minutes	6068	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 12 Timeout Seconds	6070	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 13 Timeout Hours	6072	Uint32	4	R W	Hour	1	0 - 250

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
PLC Timed Element Settings	Timer 13 Timeout Minutes	6074	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 13 Timeout Seconds	6076	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 14 Timeout Hours	6078	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 14 Timeout Minutes	6080	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 14 Timeout Seconds	6082	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 15 Timeout Hours	6084	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 15 Timeout Minutes	6086	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 15 Timeout Seconds	6088	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Timer 16 Timeout Hours	6090	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 16 Timeout Minutes	6092	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 16 Timeout Seconds	6094	Uint32	4	R W	Second	1	0 - 59
PLC Timed Element Settings	Counter 1 Timeout	6096	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 2 Timeout	6098	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 3 Timeout	6100	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 4 Timeout	6102	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 5 Timeout	6104	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 6 Timeout	6106	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 7 Timeout	6108	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 8 Timeout	6110	Float	4	R W	n/a	1	0 - 1800
Unit ID Table	ID Missing Pre Alarm Enable	6112	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Unit ID Table	ID Repeat Pre Alarm Enable	6114	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Remote Display Panel	Enable Programmable Alarm 1	6116	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Remote Display Panel	Enable Programmable Alarm 2	6118	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Remote Display Panel	Enable Programmable Pre-Alarm 1	6120	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Remote Display Panel	Enable Programmable Pre-Alarm 2	6122	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Table Handler	Missing Sys Comp Pre-Alarm Enable	6124	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Table Handler	Segments Unreachable Pre-Alarm Enable	6126	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Table Handler	Expected Number Tie Breaker Controllers	6128	Uint32	4	R W	n/a	1	0 - 32
Breaker Table Handler	Critical Breaker Missing Pre-Alarm Enable	6130	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Breaker Table Handler	System Breaker Configuration Detection	6132	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Logic Input Counter 1	Operation 1	6134	Uint32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 1	Threshold 1	6136	Uint32	4	R W	n/a	1	0 - 32
Logic Input Counter 1	Operation 2	6138	Uint32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 1	Threshold 2	6140	Uint32	4	R W	n/a	1	0 - 32
Logic Input Counter 2	Operation 1	6142	Uint32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Logic Input Counter 2	Threshold 1	6144	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 2	Operation 2	6146	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 2	Threshold 2	6148	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 3	Operation 1	6150	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 3	Threshold 1	6152	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 3	Operation 2	6154	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 3	Threshold 2	6156	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 4	Operation 1	6158	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 4	Threshold 1	6160	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 4	Operation 2	6162	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 4	Threshold 2	6164	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 5	Operation 1	6166	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 5	Threshold 1	6168	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 5	Operation 2	6170	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 5	Threshold 2	6172	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 6	Operation 1	6174	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 6	Threshold 1	6176	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 6	Operation 2	6178	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 6	Threshold 2	6180	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 7	Operation 1	6182	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 7	Threshold 1	6184	UInt32	4	R W	n/a	1	0 - 32
Logic Input Counter 7	Operation 2	6186	UInt32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 7	Threshold 2	6188	UInt32	4	R W	n/a	1	0 - 32

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Logic Input Counter 8	Operation 1	6190	Uint32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 8	Threshold 1	6192	Uint32	4	R W	n/a	1	0 - 32
Logic Input Counter 8	Operation 2	6194	Uint32	4	R W	n/a	n/a	Equals=0 Less Than=1 Less Than or Equal=2 Greater Than=3 Greater Than or Equal=4
Logic Input Counter 8	Threshold 2	6196	Uint32	4	R W	n/a	1	0 - 32
PLC Timed Element Settings	Timer 17 Timeout Hours	6198	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 17 Timeout Minutes	6200	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 17 Timeout Seconds	6202	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 18 Timeout Hours	6204	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 18 Timeout Minutes	6206	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 18 Timeout Seconds	6208	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 19 Timeout Hours	6210	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 19 Timeout Minutes	6212	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 19 Timeout Seconds	6214	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 20 Timeout Hours	6216	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 20 Timeout Minutes	6218	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 20 Timeout Seconds	6220	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 21 Timeout Hours	6222	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 21 Timeout Minutes	6224	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 21 Timeout Seconds	6226	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 22 Timeout Hours	6228	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 22 Timeout Minutes	6230	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 22 Timeout Seconds	6232	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 23 Timeout Hours	6234	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 23 Timeout Minutes	6236	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 23 Timeout Seconds	6238	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 24 Timeout Hours	6240	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 24 Timeout Minutes	6242	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 24 Timeout Seconds	6244	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 25 Timeout Hours	6246	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 25 Timeout Minutes	6248	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 25 Timeout Seconds	6250	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 26 Timeout Hours	6252	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 26 Timeout Minutes	6254	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 26 Timeout Seconds	6256	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 27 Timeout Hours	6258	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 27 Timeout Minutes	6260	Uint32	4	R W	Minute	1	0 - 59

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
PLC Timed Element Settings	Timer 27 Timeout Seconds	6262	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 28 Timeout Hours	6264	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 28 Timeout Minutes	6266	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 28 Timeout Seconds	6268	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 29 Timeout Hours	6270	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 29 Timeout Minutes	6272	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 29 Timeout Seconds	6274	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 30 Timeout Hours	6276	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 30 Timeout Minutes	6278	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 30 Timeout Seconds	6280	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 31 Timeout Hours	6282	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 31 Timeout Minutes	6284	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 31 Timeout Seconds	6286	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Timer 32 Timeout Hours	6288	Uint32	4	R W	Hour	1	0 - 250
PLC Timed Element Settings	Timer 32 Timeout Minutes	6290	Uint32	4	R W	Minute	1	0 - 59
PLC Timed Element Settings	Timer 32 Timeout Seconds	6292	Uint32	4	R W	Second	1	0 - 599
PLC Timed Element Settings	Counter 9 Timeout	6294	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 10 Timeout	6296	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 11 Timeout	6398	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 12 Timeout	6300	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 13 Timeout	6302	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 14 Timeout	6304	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 15 Timeout	6306	Float	4	R W	n/a	1	0 - 1800
PLC Timed Element Settings	Counter 16 Timeout	6308	Float	4	R W	n/a	1	0 - 1800
Seq Start Stop	Sequencing Mode Setting	6310	Uint32	4	R W	n/a	n/a	Disabled=50 Staggered=51 Balanced=52 Largest Size=53 Smallest Size=54 Smallest Unit ID=55 Balanced Engine Hours=57 Adopt System Mode=56
Seq Start Stop	Max Gen Start Time Sec Setting	6312	Int32	4	R W	Second	1	1 - 3000
Seq Start Stop	Max Gen Stop Time Sec Setting	6314	Int32	4	R W	Second	1	1 - 3000
Seq Start Stop	Sequencing ID Setting	6316	Uint32	4	R W	n/a	1	0 - 255
Mains Parallel Seq Start Stop	Sequencing Mode Setting	6318	Uint32	4	R W	n/a	n/a	Disabled=50 Staggered=51 Balanced=52 Largest Size=53 Smallest Size=54 Smallest Unit ID=55 Balanced Engine Hours=57 Adopt System Mode=56
Mains Parallel Seq Start Stop	Max Gen Start Time Sec Setting	6320	Int32	4	R W	Second	1	1 - 3000
Mains Parallel Seq Start Stop	Max Gen Stop Time Sec Setting	6322	Int32	4	R W	Second	1	1 - 3000
Mains Parallel Seq Start Stop	Sequencing ID Setting	6324	Uint32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 1	6326	Uint32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 2	6328	Uint32	4	R W	n/a	1	0 - 255

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Unit ID Table	Expected Seq ID 3	6330	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 4	6332	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 5	6334	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 6	6336	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 7	6338	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 8	6340	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 9	6342	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 10	6344	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 11	6346	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 12	6348	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 13	6350	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 14	6352	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 15	6354	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 16	6356	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 17	6358	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 18	6360	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 19	6362	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 20	6364	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 21	6366	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 22	6368	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 23	6370	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 24	6372	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 25	6374	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 26	6376	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 27	6378	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 28	6380	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 29	6382	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 30	6384	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 31	6386	UInt32	4	R W	n/a	1	0 - 255
Unit ID Table	Expected Seq ID 32	6388	UInt32	4	R W	n/a	1	0 - 255

11 • Configuration Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
System Configuration	Nominal Frequency	6500	Uint32	4	R W	n/a	n/a	50 Hz=50 60 Hz=60
System Configuration	Metric English	6502	Uint32	4	R W	n/a	n/a	English=0 Metric=1
System Configuration	Metric Units	6504	Uint32	4	R W	n/a	n/a	bar=0 kPa/MPa=1
System Configuration	Alternate Frequency	6506	Float	4	R W	Hertz	0.01	10 - 90
System Configuration	Aux CT 1	6508	Uint32	4	R W	n/a	n/a	CT Not Connected=7 Bus 1 Phase A=0 Bus 1 Phase B=1 Bus 1 Phase C=2 Bus 2 Phase A=3 Bus 2 Phase B=4 Bus 2 Phase C=5 Ground Current=6 87G Dnstrm Phase A=8 87G Dnstrm Phase B=9 87G Dnstrm Phase C=10 Cross Current=11
System Configuration	Aux CT 2	6510	Uint32	4	R W	n/a	n/a	CT Not Connected=7 Bus 1 Phase A=0 Bus 1 Phase B=1 Bus 1 Phase C=2 Bus 2 Phase A=3 Bus 2 Phase B=4 Bus 2 Phase C=5 Ground Current=6 87G Dnstrm Phase A=8 87G Dnstrm Phase B=9 87G Dnstrm Phase C=10 Cross Current=11
System Configuration	Aux CT 3	6512	Uint32	4	R W	n/a	n/a	CT Not Connected=7 Bus 1 Phase A=0 Bus 1 Phase B=1 Bus 1 Phase C=2 Bus 2 Phase A=3 Bus 2 Phase B=4 Bus 2 Phase C=5 Ground Current=6 87G Dnstrm Phase A=8 87G Dnstrm Phase B=9 87G Dnstrm Phase C=10 Cross Current=11
System Configuration	Aux CT 4	6514	Uint32	4	R W	n/a	n/a	CT Not Connected=7 Bus 1 Phase A=0 Bus 1 Phase B=1 Bus 1 Phase C=2 Bus 2 Phase A=3 Bus 2 Phase B=4 Bus 2 Phase C=5 Ground Current=6 87G Dnstrm Phase A=8 87G Dnstrm Phase B=9 87G Dnstrm Phase C=10 Cross Current=11
System Configuration	Engine Rated RPM	6516	Uint32	4	R W	n/a	1	25 - 3600
System Configuration	RPM Adjustment Bandwidth	6518	Uint32	4	R W	n/a	1	0 - 1000
System Configuration	24V Battery	6520	Uint32	4	R W	n/a	n/a	12V=0 24V=1
System Configuration	Gen CT Low-Line Scale Factor	6522	Float	4	R W	n/a	0.001	0.001 - 3
System Configuration	Redundant Ethernet	6524	Uint32	4	R W	n/a	n/a	No=0 Yes=1
Gen Volt Configuration	Connection	6526	Int32	4	R W	n/a	n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Gen Volt Configuration	Ratio Primary	6528	Float	4	R W	n/a	1	1 - 999999
Gen Volt Configuration	Ratio Secondary	6530	Float	4	R W	n/a	1	1 - 600
Gen Volt Configuration	Rated Primary LL	6532	Float	4	R W	Volt	1	1 - 999999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bus 1 Volt Config	Connection	6534	Int32	4	R W	n/a	n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Bus 1 Volt Config	Ratio Primary	6536	Float	4	R W	n/a	1	1 - 999999
Bus 1 Volt Config	Ratio Secondary	6538	Float	4	R W	n/a	1	1 - 600
Bus 1 Volt Config	Rated Primary LL	6540	Float	4	R W	Volt	1	1 - 999999
Bus 2 Volt Config	Connection	6542	Int32	4	R W	n/a	n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Bus 2 Volt Config	Ratio Primary	6544	Float	4	R W	n/a	1	1 - 999999
Bus 2 Volt Config	Ratio Secondary	6546	Float	4	R W	n/a	1	1 - 600
Bus 2 Volt Config	Rated Primary LL	6548	Float	4	R W	Volt	1	1 - 999999
Gen Current Configuration	Connection	6550	Int32	4	R W	n/a	n/a	CT A=0 CT B=1 CT C=2 CT AB=3 CT BC=4 CT CA=5 CT ABC=6
Gen Current Configuration	Ratio Primary	6552	Float	4	R W	n/a	1	1 - 9999
Gen Current Configuration	Ratio Secondary	6554	Int32	4	R W	n/a	n/a	1=1 5=5
Gen Current Configuration	Rated Primary	6556	Float	4	R	Amp	0.1	0 - 180000
Bus 1 Current Config	Connection	6558	Int32	4	R W	n/a	n/a	CT A=0 CT B=1 CT C=2 CT AB=3 CT BC=4 CT CA=5 CT ABC=6
Bus 1 Current Config	Ratio Primary	6560	Float	4	R W	n/a	1	1 - 9999
Bus 1 Current Config	Ratio Secondary	6562	Int32	4	R W	n/a	n/a	1=1 5=5
Bus 1 Current Config	Rated Primary	6564	Float	4	R	Amp	0.1	0 - 180000
Bus 2 Current Config	Connection	6566	Int32	4	R W	n/a	n/a	CT A=0 CT B=1 CT C=2 CT AB=3 CT BC=4 CT CA=5 CT ABC=6
Bus 2 Current Config	Ratio Primary	6568	Float	4	R W	n/a	1	1 - 9999
Bus 2 Current Config	Ratio Secondary	6570	Int32	4	R W	n/a	n/a	1=1 5=5
Bus 2 Current Config	Rated Primary	6572	Float	4	R	Amp	0.1	0 - 180000
Gen Config	Rated PF	6574	Float	4	R W	Power Factor	0.01	-2 - 2
Gen Config	Rated kW	6576	Float	4	R W	kilowatt	0.01	0 - 1000000
Gen Config	Rotation	6578	Int32	4	R W	n/a	n/a	ABC=0 ACB=1
Bus 1 Config	Rated PF	6580-81	Float	4	R W	Power Factor	0.01	-2 - 2
Bus 1 Config	Rated kW	6582	Float	4	R W	kilowatt	0.01	0 - 1000000
Reserved		6584						
Bus 2 Config	Rated PF	6586-87	Float	4	R W	Power Factor	0.01	-2 - 2
Bus 2 Config	Rated kW	6588	Float	4	R W	kilowatt	0.01	0 - 1000000
Reserved		6590						
RS232 Settings	Baud Rate	6592	UInt32	4	R W	n/a	n/a	1200 Baud=1200 2400 Baud=2400 4800 Baud=4800 9600 Baud=9600 19200 Baud=19200 38400 Baud=38400 57600 Baud=57600 115200 Baud=115200
RS232 Settings	Parity	6594	UInt32	4	R W	n/a	n/a	Even Parity=0 Odd Parity=1 No Parity=2
RS232 Settings	Bits Per Character	6596	UInt32	4	R W	n/a	n/a	8-Bits=8 7-Bits=7
RS232 Settings	Stop Bits	6598	UInt32	4	R W	n/a	n/a	1 Stop Bit=1 2 Stop Bits=2

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
RS485 Settings	Baud Rate	6600	Uint32	4	R W	n/a	n/a	1200 Baud=1200 2400 Baud=2400 4800 Baud=4800 9600 Baud=9600 19200 Baud=19200 38400 Baud=38400 57600 Baud=57600 115200 Baud=115200
RS485 Settings	Parity	6602	Uint32	4	R W	n/a	n/a	Even Parity=0 Odd Parity=1 No Parity=2
RS485 Settings	Bits Per Character	6604	Uint32	4	R W	n/a	n/a	8-Bits=8 7-Bits=7
RS485 Settings	Stop Bits	6606	Uint32	4	R W	n/a	n/a	1 Stop Bit=1 2 Stop Bits=2
Ethernet 0 Settings	Subnet Mask	6608	IP Address	4	R W	n/a	n/a	n/a
Ethernet 0 Settings	Gateway Address	6610	IP Address	4	R W	n/a	n/a	n/a
Ethernet 0 Settings	Use DHCP	6612	Uint32	4	R W	n/a	n/a	Off=0 On=1
Ethernet 0 Settings	Active IP	6614	IP Address	4	R	n/a	n/a	n/a
Ethernet 0 Settings	Active Gateway	6616	IP Address	4	R	n/a	n/a	n/a
Ethernet 0 Settings	Active Subnet	6618	IP Address	4	R	n/a	n/a	n/a
Ethernet 1 Settings	Subnet Mask	6620	IP Address	4	R W	n/a	n/a	n/a
Ethernet 1 Settings	Gateway Address	6622	IP Address	4	R W	n/a	n/a	n/a
Ethernet 1 Settings	Use DHCP	6624	Uint32	4	R W	n/a	n/a	Off=0 On=1
Ethernet 1 Settings	Active IP	6626	IP Address	4	R	n/a	n/a	n/a
Ethernet 1 Settings	Active Gateway	6628	IP Address	4	R	n/a	n/a	n/a
Ethernet 1 Settings	Active Subnet	6630	IP Address	4	R	n/a	n/a	n/a
Modbus	Modbus Ethernet Unit ID	6632	Uint16	2	R W	n/a	1	1 - 247
Modbus	Modbus Serial Unit ID	6633	Uint16	2	R W	n/a	1	1 - 247
Reserved		6634-39						
Engine Source	Speed Mode	6640	Uint32	4	R W	n/a	n/a	Magnetic Pickup=1 Gen Freq=2 MPU/Gen Freq=3
Engine Source	Flywheel Teeth	6642	Uint32	4	R W	n/a	0.1	1 - 500
Engine Source	Speed Sender Fail Time Delay	6644	Uint32	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Engine Source	Fuel Level Source	6646	Uint32	4	R W	n/a	n/a	Resistive Sender=0 AEM 1 Analog Input 1=1 AEM 1 Analog Input 2=2 AEM 1 Analog Input 3=3 AEM 1 Analog Input 4=4 AEM 1 Analog Input 5=5 AEM 1 Analog Input 6=6 AEM 1 Analog Input 7=7 AEM 1 Analog Input 8=8 AEM 2 Analog Input 1=9 AEM 2 Analog Input 2=10 AEM 2 Analog Input 3=11 AEM 2 Analog Input 4=12 AEM 2 Analog Input 5=13 AEM 2 Analog Input 6=14 AEM 2 Analog Input 7=15 AEM 2 Analog Input 8=16 AEM 3 Analog Input 1=17 AEM 3 Analog Input 2=18 AEM 3 Analog Input 3=19 AEM 3 Analog Input 4=20 AEM 3 Analog Input 5=21 AEM 3 Analog Input 6=22 AEM 3 Analog Input 7=23 AEM 3 Analog Input 8=24 AEM 4 Analog Input 1=25 AEM 4 Analog Input 2=26 AEM 4 Analog Input 3=27 AEM 4 Analog Input 4=28 AEM 4 Analog Input 5=29 AEM 4 Analog Input 6=30 AEM 4 Analog Input 7=31 AEM 4 Analog Input 8=32 Analog Input 1=33 Analog Input 2=34 Analog Input 3=35 Analog Input 4=36
Engine Source	Fuel Level Function	6648	Uint32	4	R W	n/a	n/a	Disable=0 Fuel Level=1 Natural Gas=2 Liquid Propane=3
Engine Source	Coolant Temp Source	6650	Uint32	4	R W	n/a	n/a	Resistive Sender=0 AEM 1 Analog Input 1=1 AEM 1 Analog Input 2=2 AEM 1 Analog Input 3=3 AEM 1 Analog Input 4=4 AEM 1 Analog Input 5=5 AEM 1 Analog Input 6=6 AEM 1 Analog Input 7=7 AEM 1 Analog Input 8=8 AEM 2 Analog Input 1=9 AEM 2 Analog Input 2=10 AEM 2 Analog Input 3=11 AEM 2 Analog Input 4=12 AEM 2 Analog Input 5=13 AEM 2 Analog Input 6=14 AEM 2 Analog Input 7=15 AEM 2 Analog Input 8=16 AEM 3 Analog Input 1=17 AEM 3 Analog Input 2=18 AEM 3 Analog Input 3=19 AEM 3 Analog Input 4=20 AEM 3 Analog Input 5=21 AEM 3 Analog Input 6=22 AEM 3 Analog Input 7=23 AEM 3 Analog Input 8=24 AEM 4 Analog Input 1=25 AEM 4 Analog Input 2=26 AEM 4 Analog Input 3=27 AEM 4 Analog Input 4=28 AEM 4 Analog Input 5=29 AEM 4 Analog Input 6=30 AEM 4 Analog Input 7=31 AEM 4 Analog Input 8=32 Analog Input 1=33 Analog Input 2=34 Analog Input 3=35 Analog Input 4=36

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Engine Source	Oil Pressure Source	6652	Uint32	4	R W	n/a	n/a	Resistive Sender=0 AEM 1 Analog Input 1=1 AEM 1 Analog Input 2=2 AEM 1 Analog Input 3=3 AEM 1 Analog Input 4=4 AEM 1 Analog Input 5=5 AEM 1 Analog Input 6=6 AEM 1 Analog Input 7=7 AEM 1 Analog Input 8=8 AEM 2 Analog Input 1=9 AEM 2 Analog Input 2=10 AEM 2 Analog Input 3=11 AEM 2 Analog Input 4=12 AEM 2 Analog Input 5=13 AEM 2 Analog Input 6=14 AEM 2 Analog Input 7=15 AEM 2 Analog Input 8=16 AEM 3 Analog Input 1=17 AEM 3 Analog Input 2=18 AEM 3 Analog Input 3=19 AEM 3 Analog Input 4=20 AEM 3 Analog Input 5=21 AEM 3 Analog Input 6=22 AEM 3 Analog Input 7=23 AEM 3 Analog Input 8=24 AEM 4 Analog Input 1=25 AEM 4 Analog Input 2=26 AEM 4 Analog Input 3=27 AEM 4 Analog Input 4=28 AEM 4 Analog Input 5=29 AEM 4 Analog Input 6=30 AEM 4 Analog Input 7=31 AEM 4 Analog Input 8=32 Analog Input 1=33 Analog Input 2=34 Analog Input 3=35 Analog Input 4=36
Gen Exerciser	Start Day of Month	6654	Uint32	4	R W	n/a	1	1 - 31
Gen Exerciser	Start Day of Week	6656	Uint32	4	R W	n/a	n/a	Sunday=0 Monday=1 Tuesday=2 Wednesday=3 Thursday=4 Friday=5 Saturday=6
Gen Exerciser	Start Hour	6658	Uint32	4	R W	n/a	1	0 - 23
Gen Exerciser	Start Minute	6660	Uint32	4	R W	n/a	1	0 - 59
Gen Exerciser	Period Hours	6662	Uint32	4	R W	n/a	1	0 - 23
Gen Exerciser	Period Minutes	6664	Uint32	4	R W	n/a	1	0 - 59
Gen Exerciser	Run with Load	6666	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Gen Exerciser	Exerciser Mode	6668	Uint32	4	R W	n/a	n/a	Disabled=0 Daily=1 Weekly=2 Monthly=3 Weekday of Month=4
Run Statistics	Commission Date Day	6670	Uint32	4	R W	n/a	1	1 - 31
Run Statistics	Commission Date Month	6672	Uint32	4	R W	n/a	1	1 - 12
Run Statistics	Commission Date Year	6674	Uint32	4	R W	n/a	1	1800 - 2099
Run Statistics	Maintenance Interval Enable	6676	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Run Statistics	Maintenance Interval	6678	Uint32	4	R W	Hour	1	0 - 5000
Run Statistics	Hours Until Maintenance	6680	Int32	4	R W	Hour	1	0 - 5000
Run Statistics	Cumulative Starts	6682	Uint32	4	R W	n/a	1	0 - 32767
Run Statistics	Session Number Starts	6684	Uint32	4	R	n/a	1	0 - 4294967295
Run Statistics	Session Total kWh	6686	Uint32	4	R	kWh	1	0 - 999999999
Run Statistics	Session Peak kW	6688	Float	4	R	Watt	0.01	0 - 3.00E+14
Run Statistics	Cumulative Total Run Hours For Display	6690	Uint32	4	R	n/a	1	0 - 1000000
Run Statistics	Cumulative Total Run Minutes For Display	6692	Uint32	4	R	n/a	1	0 - 59
Run Statistics	Cumulative Loaded Run Hours For Display	6694	Uint32	4	R	n/a	1	0 - 1000000
Run Statistics	Cumulative Loaded Run Minutes For Display	6696	Uint32	4	R	n/a	1	0 - 59
Run Statistics	Cumulative Unloaded Run Hours For Display	6698	Uint32	4	R	n/a	1	0 - 1000000
Run Statistics	Cumulative Unloaded Run Minutes For Display	6700	Uint32	4	R	n/a	1	0 - 59
Run Statistics	Session Total Run Hours For Display	6702	Uint32	4	R	n/a	1	0 - 1000000
Run Statistics	Session Total Run Minutes For Display	6704	Uint32	4	R	n/a	1	0 - 59

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Run Statistics	Session Loaded Run Hours For Display	6706	Uint32	4	R	n/a	1	0 - 1000000
Run Statistics	Session Loaded Run Minutes For Display	6708	Uint32	4	R	n/a	1	0 - 59
Run Statistics	Session Unloaded Run Hours For Display	6710	Uint32	4	R	n/a	1	0 - 1000000
Run Statistics	Session Unloaded Run Minutes For Display	6712	Uint32	4	R	n/a	1	0 - 59
System Configuration	Engine Idle RPM	6714	Uint32	4	R W	n/a	1	25 - 3600
System Configuration	Engine Operating RPM	6716	Uint32	4	R W	n/a	1	25 - 3600
System Configuration	Gen Rated Volts Low Line Scale Factor	6718	Float	4	R W	n/a	0.001	0.001 - 3
System Configuration	Rated 87G CT Voltage LL	6720	Float	4	R W	Volt	1	1 - 1000000
Gen Current Configuration	Transformer Connection	6722	Uint32	4	R W	n/a	n/a	Wye=0 DAB=1 DAC=2 ZAB=3 ZAC=4 NA=5
Gen Current Configuration	Phase Relationship	6724	Uint32	4	R W	n/a	n/a	A=0 B=1 C=2
Gen Current Configuration	Rotation	6726	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
Gen Current Configuration	Tap	6728	Float	4	R W	n/a	0.01	2 - 20
Gen Current Configuration	Reverse Current	6730	Uint32	4	R W	n/a	n/a	0 Deg=0 180 Deg=1
Gen Current Configuration	Ground Compensate	6732	Uint32	4	R W	n/a	n/a	No=0 Yes=1
Gen Current Configuration	Differential Circuit	6734	Uint32	4	R W	n/a	n/a	Primary=0 Secondary=1 None=2
Gen Current Configuration	Connection Type	6736	Int32	4	R W	n/a	n/a	Wye=0 DAB=1 DAC=2
Bus1 Curr Config	Transformer Connection	6738	Uint32	4	R W	n/a	n/a	Wye=0 DAB=1 DAC=2 ZAB=3 ZAC=4 NA=5
Bus1 Curr Config	Phase Relationship	6740	Uint32	4	R W	n/a	n/a	A=0 B=1 C=2
Bus1 Curr Config	Rotation	6742	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
Bus1 Curr Config	Tap	6744	Float	4	R W	n/a	0.01	2 - 20
Bus1 Curr Config	Reverse Current	6746	Uint32	4	R W	n/a	n/a	0 Deg=0 180 Deg=1
Bus1 Curr Config	Ground Compensate	6748	Uint32	4	R W	n/a	n/a	No=0 Yes=1
Bus1 Curr Config	Differential Circuit	6750	Uint32	4	R W	n/a	n/a	Primary=0 Secondary=1 None=2
Bus1 Curr Config	ConnectionType	6752	Int32	4	R W	n/a	n/a	Wye=0 DAB=1 DAC=2
Bus2 Curr Config	Transformer Connection	6754	Uint32	4	R W	n/a	n/a	Wye=0 DAB=1 DAC=2 ZAB=3 ZAC=4 NA=5
Bus2 Curr Config	Phase Relationship	6756	Uint32	4	R W	n/a	n/a	A=0 B=1 C=2
Bus2 Curr Config	Rotation	6758	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
Bus2 Curr Config	Tap	6760	Float	4	R W	n/a	0.01	2 - 20
Bus2 Curr Config	Reverse Current	6762	Uint32	4	R W	n/a	n/a	0 Deg=0 180 Deg=1
Bus2 Curr Config	Ground Compensate	6764	Uint32	4	R W	n/a	n/a	No=0 Yes=1
Bus2 Curr Config	Differential Circuit	6766	Uint32	4	R W	n/a	n/a	Primary=0 Secondary=1 None=2
Bus2 Curr Config	ConnectionType	6768	Int32	4	R W	n/a	n/a	Wye=0 DAB=1 DAC=2

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
87G Curr Config	Connection	6770	Int32	4	R W	n/a	n/a	CT A=0 CT B=1 CT C=2 CT AB=3 CT BC=4 CT CA=5 CT ABC=6
87G Curr Config	Ratio Primary	6772	Float	4	R W	n/a	1	1 - 99
87G Curr Config	Ratio Secondary	6774	Int32	4	R W	n/a	n/a	1=1 5=5
87G Curr Config	Rated Primary	6776	Float	4	R	Amp	0.1	0 - 180000
87G Curr Config	TransformerConnection	6778	UInt32	4	R W	n/a	n/a	Wye=0 DAB=1 DAC=2 ZAB=3 ZAC=4 NA=5
87G Curr Config	Phase Relationship	6780	UInt32	4	R W	n/a	n/a	A=0 B=1 C=2
87G Curr Config	Rotation	6782	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1
87G Curr Config	Tap	6784	Float	4	R W	n/a	0.01	2 - 20
87G Curr Config	Reverse Current	6786	UInt32	4	R W	n/a	n/a	0 Deg=0 180 Deg=1
87G Curr Config	Ground Compensate	6788	UInt32	4	R W	n/a	n/a	No=0 Yes=1
87G Curr Config	Differential Circuit	6790	UInt32	4	R W	n/a	n/a	Primary=0 Secondary=1 None=2
87G Curr Config	Connection Type	6792	Int32	4	R W	n/a	n/a	Wye=0 DAB=1 DAC=2
Gen Config	Rated kvar	6794	Float	4	R	Kilovar	0.01	0 - 1000000
Bus1 Config	Rated kvar	6796	Float	4	R	Kilovar	0.01	0 - 1000000
Bus2 Config	Rated kvar	6798	Float	4	R	Kilovar	0.01	0 - 1000000
RS-232 Settings	Flow Control	6800	UInt32	4	R W	n/a	n/a	None=0 Hardware=1
RS-485 Settings	Flow Control	6802	UInt32	4	R W	n/a	n/a	None=0 Hardware=1
Ethernet Connection	Active Interface	6804	UInt32	4	R W	n/a	n/a	Ethernet 1=0 Ethernet 2=1 None=2
Ethernet Connection	Primary Interface	6806	UInt32	4	R W	n/a	n/a	Ethernet 1=0 Ethernet 2=1 None=2
Ethernet Connection	Redundant Mode	6808	UInt32	4	R W	n/a	n/a	Link Monitor=0 ARP Ping=1
Ethernet Connection	Ping Mode	6810	UInt32	4	R W	n/a	n/a	Any=0 All=1
Ethernet Connection	Ping IP 1	6812	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 2	6814	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 3	6816	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 4	6818	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 5	6820	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 6	6822	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 7	6824	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 8	6826	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 9	6828	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 10	6830	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 11	6832	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 12	6834	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 13	6836	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 14	6838	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 15	6840	IP Address	4	R W	n/a	n/a	IP Address
Ethernet Connection	Ping IP 16	6842	IP Address	4	R W	n/a	n/a	IP Address

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Generator Exerciser	Start Week of Month	6844	Uint32	4	R W	n/a	n/a	First=0 Second=1 Third=2 Fourth=3 Last=4
Modbus	Auto Save	6846	Uint16	2	R W	n/a	n/a	Off=0 On=1
Gen Exerciser	Week Interval	6847	Uint32	4	R W	n/a	1	1 - 52
Gen Exerciser	Begin Date Month	6849	Uint32	4	R W	n/a	n/a	January=0 February=1 March=2 April=3 May=4 June=5 July=6 August=7 September=8 October=9 November=10 December=11
Gen Exerciser	Begin Date Day	6851	Uint32	4	R W	n/a	1	1 - 31
Gen Exerciser	Begin Date Year	6853	Uint32	4	R W	n/a	1	2000 – 2037
Run Statistics	Cumulative Total Run Minutes	6855	Uint32	4	R W	n/a	1	0 - 60000000
Run Statistics	Cumulative Loaded Run Minutes	6857	Uint32	4	R W	n/a	1	0 - 60000000
Run Statistics	Cumulative Unloaded Run Minutes	6859	Uint32	4	R W	n/a	1	0 - 60000000
Run Statistics	Session Total Run Minutes	6861	Uint32	4	R	n/a	1	0 - 60000000
Run Statistics	Session Loaded Run Minutes	6863	Uint32	4	R	n/a	1	0 - 60000000
Run Statistics	Session Unloaded Run Minutes	6865	Uint32	4	R	n/a	1	0 – 60000000
Access Control	Max Unsecured Access Channel 1	6867	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Secured Access Channel 1	6868	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Unsecured Access Channel 2	6869	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Secured Access Channel 2	6870	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Unsecured Access Channel 4	6871	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Secured Access Channel 4	6872	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Unsecured Access Channel 6	6873	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Access Control	Max Secured Access Channel 6	6874	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6 Factory Access=7
Access Control	Max Unsecured Access Channel 8	6875	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Secured Access Channel 8	6876	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Unsecured Access Channel 14	6877	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6
Access Control	Max Secured Access Channel 14	6878	Uint16	2	R W	n/a	n/a	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Settings Access=4 Design Access=5 Admin Access=6



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Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 Input Config. 1	Param Min	7000	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 1	Param Max	7002	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 1	Current Min	7004	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 1	Current Max	7006	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 1	Voltage Min	7008	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 1	Voltage Max	7010	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 1	Alarm Configuration	7012	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Input Config. 2	Param Min	7014	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 2	Param Max	7016	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 2	Current Min	7018	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 2	Current Max	7020	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 2	Voltage Min	7022	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 2	Voltage Max	7024	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 2	Alarm Configuration	7026	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Input Config. 3	Param Min	7028	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 3	Param Max	7030	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 3	Current Min	7032	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 3	Current Max	7034	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 3	Voltage Min	7036	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 3	Voltage Max	7038	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 3	Alarm Configuration	7040	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Input Config. 4	Param Min	7042	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 4	Param Max	7044	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 4	Current Min	7046	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 4	Current Max	7048	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 4	Voltage Min	7050	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 4	Voltage Max	7052	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 4	Alarm Configuration	7054	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Input Config. 5	Param Min	7056	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 5	Param Max	7058	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 5	Current Min	7060	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 5	Current Max	7062	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 5	Voltage Min	7064	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 5	Voltage Max	7066	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 5	Alarm Configuration	7068	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Input Config. 6	Param Min	7070	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 6	Param Max	7072	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 6	Current Min	7074	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 6	Current Max	7076	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 6	Voltage Min	7078	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 6	Voltage Max	7080	Float	4	R W	Volt	0.1	-10 – 10

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 Input Config. 6	Alarm Configuration	7082	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Input Config. 7	Param Min	7084	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 7	Param Max	7086	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 7	Current Min	7088	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 7	Current Max	7090	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 7	Voltage Min	7092	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 7	Voltage Max	7094	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 7	Alarm Configuration	7096	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Input Config. 8	Param Min	7098	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 8	Param Max	7100	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Input Config. 8	Current Min	7102	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 8	Current Max	7104	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Input Config. 8	Voltage Min	7106	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 8	Voltage Max	7108	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Input Config. 8	Alarm Configuration	7110	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 1	Hysteresis	7112	Float	4	R W	Percent	0.1	0 - 100
AEM 1 Protection 1	Arming Delay	7114	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 1	Threshold 1 Pickup	7116	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 1	Threshold 1 Activation Delay	7118	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 1	Threshold 1 Alarm Configuration	7120	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 1	Threshold 2 Pickup	7122	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 1	Threshold 2 Activation Delay	7124	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 1	Threshold 2 Alarm Configuration	7126	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 1	Threshold 3P ickup	7128	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 1	Threshold 3 Activation Delay	7130	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 1	Threshold 3 Alarm Configuration	7132	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 1	Threshold 4 Pickup	7134	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 1	Threshold 4 Activation Delay	7136	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 1	Threshold 4 Alarm Configuration	7138	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 2	Hysteresis	7140	Float	4	R W	Percent	0.1	0 - 100
AEM 1 Protection 2	Arming Delay	7142	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 2	Threshold 1 Pickup	7144	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 2	Threshold 1 Activation Delay	7146	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 Protection 2	Threshold 1 Alarm Configuration	7148	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 2	Threshold 2 Pickup	7150	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 2	Threshold 2 Activation Delay	7152	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 2	Threshold 2 Alarm Configuration	7154	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 2	Threshold 3 Pickup	7156	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 2	Threshold 3 Activation Delay	7158	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 2	Threshold 3 Alarm Configuration	7160	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 2	Threshold 4 Pickup	7162	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 2	Threshold 4 Activation Delay	7164	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 2	Threshold 4 Alarm Configuration	7166	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 3	Hysteresis	7168	Float	4	R W	Percent	0.1	0 - 100
AEM 1 Protection 3	Arming Delay	7170	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 3	Threshold 1 Pickup	7172	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 3	Threshold 1 Activation Delay	7174	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 3	Threshold 1 Alarm Configuration	7176	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 3	Threshold 2 Pickup	7178	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 3	Threshold 2 Activation Delay	7180	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 3	Threshold 2 Alarm Configuration	7182	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 3	Threshold 3 Pickup	7184	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 3	Threshold 3 Activation Delay	7186	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 3	Threshold 3 Alarm Configuration	7188	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 3	Threshold 4 Pickup	7190	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 3	Threshold 4 Activation Delay	7192	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 3	Threshold 4 Alarm Configuration	7194	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 4	Hysteresis	7196	Float	4	R W	Percent	0.1	0 - 100

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 Protection 4	Arming Delay	7198	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 4	Threshold 1 Pickup	7200	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 4	Threshold 1 Activation Delay	7202	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 4	Threshold 1 Alarm Configuration	7204	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 4	Threshold 2 Pickup	7206	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 4	Threshold 2 Activation Delay	7208	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 4	Threshold 2 Alarm Configuration	7210	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 4	Threshold 3 Pickup	7212	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 4	Threshold 3 Activation Delay	7214	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 4	Threshold 3 Alarm Configuration	7216	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 4	Threshold 4 Pickup	7218	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 4	Threshold 4 Activation Delay	7220	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 4	Threshold 4 Alarm Configuration	7222	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 5	Hysteresis	7224	Float	4	R W	Percent	0.1	0 - 100
AEM 1 Protection 5	Arming Delay	7226	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 5	Threshold 1 Pickup	7228	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 5	Threshold 1 Activation Delay	7230	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 5	Threshold 1 Alarm Configuration	7232	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 5	Threshold 2 Pickup	7234	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 5	Threshold 2 Activation Delay	7236	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 5	Threshold 2 Alarm Configuration	7238	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 5	Threshold 3 Pickup	7240	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 5	Threshold 3 Activation Delay	7242	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 5	Threshold 3 Alarm Configuration	7244	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 5	Threshold 4 Pickup	7246	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 5	Threshold 4 Activation Delay	7248	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 Protection 5	Threshold 4 Alarm Configuration	7250	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 6	Hysteresis	7252	Float	4	R W	Percent	0.1	0 - 100
AEM 1 Protection 6	Arming Delay	7254	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 6	Threshold 1 Pickup	7256	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 6	Threshold 1 Activation Delay	7258	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 6	Threshold 1 Alarm Configuration	7260	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 6	Threshold 2 Pickup	7262	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 6	Threshold 2 Activation Delay	7264	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 6	Threshold 2 Alarm Configuration	7266	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 6	Threshold 3P ickup	7268	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 6	Threshold 3 Activation Delay	7270	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 6	Threshold 3 Alarm Configuration	7272	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 6	Threshold 4 Pickup	7274	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 6	Threshold 4 Activation Delay	7276	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 6	Threshold 4 Alarm Configuration	7278	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 7	Hysteresis	7280	Float	4	R W	Percent	0.1	0 - 100
AEM 1 Protection 7	Arming Delay	7282	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 7	Threshold 1 Pickup	7284	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 7	Threshold 1 Activation Delay	7286	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 7	Threshold 1 Alarm Configuration	7288	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 7	Threshold 2 Pickup	7290	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 7	Threshold 2 Activation Delay	7292	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 7	Threshold 2 Alarm Configuration	7294	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 7	Threshold 3P ickup	7296	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 7	Threshold 3 Activation Delay	7298	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 Protection 7	Threshold 3 Alarm Configuration	7300	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 7	Threshold 4 Pickup	7302	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 7	Threshold 4 Activation Delay	7304	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 7	Threshold 4 Alarm Configuration	7306	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 8	Hysteresis	7308	Float	4	R W	Percent	0.1	0 - 100
AEM 1 Protection 8	Arming Delay	7310	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 8	Threshold 1 Pickup	7312	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 8	Threshold 1 Activation Delay	7314	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 8	Threshold 1 Alarm Configuration	7316	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 8	Threshold 2 Pickup	7318	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 8	Threshold 2 Activation Delay	7320	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 8	Threshold 2 Alarm Configuration	7322	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 8	Threshold 3P Pickup	7324	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 8	Threshold 3 Activation Delay	7326	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 8	Threshold 3 Alarm Configuration	7328	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Protection 8	Threshold 4 Pickup	7330	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Protection 8	Threshold 4 Activation Delay	7332	Float	4	R W	Second	1	0 - 300
AEM 1 Protection 8	Threshold 4 Alarm Configuration	7334	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Remote Analog Output 1	Parameter Selection	7336	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 1 Remote Analog Output 1	Out-of-Range Activation Delay	7338	Float	4	R W	Second	1	0 - 300
AEM 1 Remote Analog Output 1	Param Minimum	7340	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Remote Analog Output 1	Param Maximum	7342	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Remote Analog Output 1	Current Minimum	7344	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Remote Analog Output 1	Current Maximum	7346	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Remote Analog Output 1	Voltage Minimum	7348	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Remote Analog Output 1	Voltage Maximum	7350	Float	4	R W	Volt	0.1	-10 – 10

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 Remote Analog Output 1	Alarm Configuration	7352	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Remote Analog Output 2	Parameter Selection	7354	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 1 Remote Analog Output 2	Out-of-Range Activation Delay	7356	Float	4	R W	Second	1	0 - 300
AEM 1 Remote Analog Output 2	Param Minimum	7358	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Remote Analog Output 2	Param Maximum	7360	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Remote Analog Output 2	Current Minimum	7362	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Remote Analog Output 2	Current Maximum	7364	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Remote Analog Output 2	Voltage Minimum	7366	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Remote Analog Output 2	Voltage Maximum	7368	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Remote Analog Output 2	Alarm Configuration	7370	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Remote Analog Output 3	Parameter Selection	7372	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 1 Remote Analog Output 3	Out-of-Range Activation Delay	7374	Float	4	R W	Second	1	0 - 300
AEM 1 Remote Analog Output 3	Parameter Minimum	7376	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Remote Analog Output 3	Parameter Maximum	7378	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Remote Analog Output 3	Current Minimum	7380	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Remote Analog Output 3	Current Maximum	7382	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Remote Analog Output 3	Voltage Minimum	7384	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Remote Analog Output 3	Voltage Maximum	7386	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Remote Analog Output 3	Alarm Configuration	7388	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 1 Remote Analog Output 4	Parameter Selection	7390	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 1 Remote Analog Output 4	Out-of-Range Activation Delay	7392	Float	4	R W	Second	1	0 - 300
AEM 1 Remote Analog Output 4	Parameter Minimum	7394	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Remote Analog Output 4	Parameter Maximum	7396	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 1 Remote Analog Output 4	Current Minimum	7398	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Remote Analog Output 4	Current Maximum	7400	Float	4	R W	Milliamp	0.1	0 - 20
AEM 1 Remote Analog Output 4	Voltage Minimum	7402	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Remote Analog Output 4	Voltage Maximum	7404	Float	4	R W	Volt	0.1	-10 – 10
AEM 1 Remote Analog Output 4	Alarm Configuration	7406	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Input Config. 1	Parameter Minimum	7408	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 1	Parameter Maximum	7410	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 1	Current Minimum	7412	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 1	Current Maximum	7414	Float	4	R W	Milliamp	0.1	0 - 20

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Input Config. 1	Voltage Minimum	7416	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 1	Voltage Maximum	7418	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 1	Alarm Configuration	7420	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Input Config. 2	Parameter Minimum	7422	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 2	Parameter Maximum	7424	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 2	Current Minimum	7426	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 2	Current Maximum	7428	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 2	Voltage Minimum	7430	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 2	Voltage Maximum	7432	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 2	Alarm Configuration	7434	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Input Config. 3	Parameter Minimum	7436	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 3	Parameter Maximum	7438	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 3	Current Minimum	7440	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 3	Current Maximum	7442	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 3	Voltage Minimum	7444	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 3	Voltage Maximum	7446	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 3	Alarm Configuration	7448	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Input Config. 4	Parameter Minimum	7450	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 4	Parameter Maximum	7452	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 4	Current Minimum	7454	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 4	Current Maximum	7456	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 4	Voltage Minimum	7458	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 4	Voltage Maximum	7460	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 4	Alarm Configuration	7462	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Input Config. 5	Parameter Minimum	7464	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 5	Parameter Maximum	7466	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 5	Current Minimum	7468	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 5	Current Maximum	7470	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 5	Voltage Minimum	7472	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 5	Voltage Maximum	7474	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 5	Alarm Configuration	7476	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Input Config. 6	Parameter Minimum	7478	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 6	Parameter Maximum	7480	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 6	Current Minimum	7482	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 6	Current Maximum	7484	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 6	Voltage Minimum	7486	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 6	Voltage Maximum	7488	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 6	Alarm Configuration	7490	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Input Config. 7	Parameter Minimum	7492	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 7	Parameter Maximum	7494	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 7	Current Minimum	7496	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 7	Current Maximum	7498	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 7	Voltage Minimum	7500	Float	4	R W	Volt	0.1	-10 – 10

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Input Config. 7	Voltage Maximum	7502	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 7	Alarm Configuration	7504	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Input Config. 8	Parameter Minimum	7506	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 8	Parameter Maximum	7508	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Input Config. 8	Current Minimum	7510	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 8	Current Maximum	7512	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Input Config. 8	Voltage Minimum	7514	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 8	Voltage Maximum	7516	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Input Config. 8	Alarm Configuration	7518	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 1	Hysteresis	7520	Float	4	R W	Percent	0.1	0 - 100
AEM 2 Protection 1	Arming Delay	7522	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 1	Threshold 1 Pickup	7524	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 1	Threshold 1 Activation Delay	7526	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 1	Threshold 1 Alarm Configuration	7528	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 1	Threshold 2 Pickup	7530	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 1	Threshold 2 Activation Delay	7532	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 1	Threshold 2 Alarm Configuration	7534	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 1	Threshold 3P Pickup	7536	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 1	Threshold 3 Activation Delay	7538	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 1	Threshold 3 Alarm Configuration	7540	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 1	Threshold 4 Pickup	7542	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 1	Threshold 4 Activation Delay	7544	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 1	Threshold 4 Alarm Configuration	7546	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 2	Hysteresis	7548	Float	4	R W	Percent	0.1	0 - 100
AEM 2 Protection 2	Arming Delay	7550	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 2	Threshold 1 Pickup	7552	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 2	Threshold 1 Activation Delay	7554	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 2	Threshold 1 Alarm Configuration	7556	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 2	Threshold 2 Pickup	7558	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 2	Threshold 2 Activation Delay	7560	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Protection 2	Threshold 2 Alarm Configuration	7562	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 2	Threshold 3P ickup	7564	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 2	Threshold 3 Activation Delay	7566	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 2	Threshold 3 Alarm Configuration	7568	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 2	Threshold 4 Pickup	7570	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 2	Threshold 4 Activation Delay	7572	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 2	Threshold 4 Alarm Configuration	7574	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 3	Hysteresis	7576	Float	4	R W	Percent	0.1	0 - 100
AEM 2 Protection 3	Arming Delay	7578	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 3	Threshold 1 Pickup	7580	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 3	Threshold 1 Activation Delay	7582	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 3	Threshold 1 Alarm Configuration	7584	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 3	Threshold 2 Pickup	7586	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 3	Threshold 2 Activation Delay	7588	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 3	Threshold 2 Alarm Configuration	7590	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 3	Threshold 3P ickup	7592	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 3	Threshold 3 Activation Delay	7594	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 3	Threshold 3 Alarm Configuration	7596	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 3	Threshold 4 Pickup	7598	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 3	Threshold 4 Activation Delay	7600	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 3	Threshold 4 Alarm Configuration	7602	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 4	Hysteresis	7604	Float	4	R W	Percent	0.1	0 - 100
AEM 2 Protection 4	Arming Delay	7606	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 4	Threshold 1 Pickup	7608	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 4	Threshold 1 Activation Delay	7610	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Protection 4	Threshold 1 Alarm Configuration	7612	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 4	Threshold 2 Pickup	7614	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 4	Threshold 2 Activation Delay	7616	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 4	Threshold 2 Alarm Configuration	7618	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 4	Threshold 3P Pickup	7620	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 4	Threshold 3 Activation Delay	7622	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 4	Threshold 3 Alarm Configuration	7624	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 4	Threshold 4 Pickup	7626	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 4	Threshold 4 Activation Delay	7628	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 4	Threshold 4 Alarm Configuration	7630	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 5	Hysteresis	7632	Float	4	R W	Percent	0.1	0 - 100
AEM 2 Protection 5	Arming Delay	7634	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 5	Threshold 1 Pickup	7636	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 5	Threshold 1 Activation Delay	7638	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 5	Threshold 1 Alarm Configuration	7640	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 5	Threshold 2 Pickup	7642	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 5	Threshold 2 Activation Delay	7644	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 5	Threshold 2 Alarm Configuration	7646	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 5	Threshold 3P Pickup	7648	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 5	Threshold 3 Activation Delay	7650	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 5	Threshold 3 Alarm Configuration	7652	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 5	Threshold 4 Pickup	7654	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 5	Threshold 4 Activation Delay	7656	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 5	Threshold 4 Alarm Configuration	7658	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 6	Hysteresis	7660	Float	4	R W	Percent	0.1	0 - 100

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Protection 6	Arming Delay	7662	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 6	Threshold 1 Pickup	7664	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 6	Threshold 1 Activation Delay	7666	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 6	Threshold 1 Alarm Configuration	7668	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 6	Threshold 2 Pickup	7670	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 6	Threshold 2 Activation Delay	7672	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 6	Threshold 2 Alarm Configuration	7674	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 6	Threshold 3P ickup	7676	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 6	Threshold 3 Activation Delay	7678	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 6	Threshold 3 Alarm Configuration	7680	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 6	Threshold 4 Pickup	7682	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 6	Threshold 4 Activation Delay	7684	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 6	Threshold 4 Alarm Configuration	7686	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 7	Hysteresis	7688	Float	4	R W	Percent	0.1	0 - 100
AEM 2 Protection 7	Arming Delay	7690	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 7	Threshold 1 Pickup	7692	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 7	Threshold 1 Activation Delay	7694	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 7	Threshold 1 Alarm Configuration	7696	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 7	Threshold 2 Pickup	7698	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 7	Threshold 2 Activation Delay	7700	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 7	Threshold 2 Alarm Configuration	7702	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 7	Threshold 3P ickup	7704	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 7	Threshold 3 Activation Delay	7706	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 7	Threshold 3 Alarm Configuration	7708	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 7	Threshold 4 Pickup	7710	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 7	Threshold 4 Activation Delay	7712	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Protection 7	Threshold 4 Alarm Configuration	7714	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 8	Hysteresis	7716	Float	4	R W	Percent	0.1	0 - 100
AEM 2 Protection 8	Arming Delay	7718	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 8	Threshold 1 Pickup	7720	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 8	Threshold 1 Activation Delay	7722	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 8	Threshold 1 Alarm Configuration	7724	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 8	Threshold 2 Pickup	7726	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 8	Threshold 2 Activation Delay	7728	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 8	Threshold 2 Alarm Configuration	7730	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 8	Threshold 3P ickup	7732	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 8	Threshold 3 Activation Delay	7734	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 8	Threshold 3 Alarm Configuration	7736	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Protection 8	Threshold 4 Pickup	7738	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Protection 8	Threshold 4 Activation Delay	7740	Float	4	R W	Second	1	0 - 300
AEM 2 Protection 8	Threshold 4 Alarm Configuration	7742	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Remote Analog Output 1	Parameter Selection	7744	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 2 Remote Analog Output 1	Out-of-Range Activation Delay	7746	Float	4	R W	Second	1	0 - 300
AEM 2 Remote Analog Output 1	Parameter Minimum	7748	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Remote Analog Output 1	Parameter Maximum	7750	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Remote Analog Output 1	Current Minimum	7752	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Remote Analog Output 1	Current Maximum	7754	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Remote Analog Output 1	Voltage Minimum	7756	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Remote Analog Output 1	Voltage Maximum	7758	Float	4	R W	Volt	0.1	-10 – 10
AEM 2 Remote Analog Output 1	Alarm Configuration	7760	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Remote Analog Output 2	Parameter Selection	7762	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 2 Remote Analog Output 2	Out-of-Range Activation Delay	7764	Float	4	R W	Second	1	0 - 300
AEM 2 Remote Analog Output 2	Parameter Minimum	7766	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 2 Remote Analog Output 2	Parameter Maximum	7768	Float	4	R W	n/a	0.01	-999999 – 999999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Remote Analog Output 2	Current Minimum	7770	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Remote Analog Output 2	Current Maximum	7772	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Remote Analog Output 2	Voltage Minimum	7774	Float	4	R W	Volt	0.1	-10 - 10
AEM 2 Remote Analog Output 2	Voltage Maximum	7776	Float	4	R W	Volt	0.1	-10 - 10
AEM 2 Remote Analog Output 2	Alarm Configuration	7778	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Remote Analog Output 3	Parameter Selection	7780	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 2 Remote Analog Output 3	Out-of-Range Activation Delay	7782	Float	4	R W	Second	1	0 - 300
AEM 2 Remote Analog Output 3	Parameter Minimum	7784	Float	4	R W	n/a	0.01	-999999 - 999999
AEM 2 Remote Analog Output 3	Parameter Maximum	7786	Float	4	R W	n/a	0.01	-999999 - 999999
AEM 2 Remote Analog Output 3	Current Minimum	7788	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Remote Analog Output 3	Current Maximum	7790	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Remote Analog Output 3	Voltage Minimum	7792	Float	4	R W	Volt	0.1	-10 - 10
AEM 2 Remote Analog Output 3	Voltage Maximum	7794	Float	4	R W	Volt	0.1	-10 - 10
AEM 2 Remote Analog Output 3	Alarm Configuration	7796	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 2 Remote Analog Output 4	Parameter Selection	7798	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 2 Remote Analog Output 4	Out-of-Range Activation Delay	7800	Float	4	R W	Second	1	0 - 300
AEM 2 Remote Analog Output 4	Parameter Minimum	7802	Float	4	R W	n/a	0.01	-999999 - 999999
AEM 2 Remote Analog Output 4	Parameter Maximum	7804	Float	4	R W	n/a	0.01	-999999 - 999999
AEM 2 Remote Analog Output 4	Current Minimum	7806	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Remote Analog Output 4	Current Maximum	7808	Float	4	R W	Milliamp	0.1	0 - 20
AEM 2 Remote Analog Output 4	Voltage Minimum	7810	Float	4	R W	Volt	0.1	-10 - 10
AEM 2 Remote Analog Output 4	Voltage Maximum	7812	Float	4	R W	Volt	0.1	-10 - 10
AEM 2 Remote Analog Output 4	Alarm Configuration	7814	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Input Config. 1	Parameter Minimum	7816	Float	4	R W	n/a	0.01	-999999 - 999999
AEM 3 Input Config. 1	Parameter Maximum	7818	Float	4	R W	n/a	0.01	-999999 - 999999
AEM 3 Input Config. 1	Current Minimum	7820	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 1	Current Maximum	7822	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 1	Voltage Minimum	7824	Float	4	R W	Volt	0.1	-10 - 10
AEM 3 Input Config. 1	Voltage Maximum	7826	Float	4	R W	Volt	0.1	-10 - 10
AEM 3 Input Config. 1	Alarm Configuration	7828	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Input Config. 2	Parameter Minimum	7830	Float	4	R W	n/a	0.01	-999999 - 999999
AEM 3 Input Config. 2	Parameter Maximum	7832	Float	4	R W	n/a	0.01	-999999 - 999999
AEM 3 Input Config. 2	Current Minimum	7834	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 2	Current Maximum	7836	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 2	Voltage Minimum	7838	Float	4	R W	Volt	0.1	-10 - 10

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 Input Config. 2	Voltage Maximum	7840	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 2	Alarm Configuration	7842	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Input Config. 3	Parameter Minimum	7844	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 3	Parameter Maximum	7846	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 3	Current Minimum	7848	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 3	Current Maximum	7850	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 3	Voltage Minimum	7852	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 3	Voltage Maximum	7854	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 3	Alarm Configuration	7856	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Input Config. 4	Parameter Minimum	7858	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 4	Parameter Maximum	7860	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 4	Current Minimum	7862	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 4	Current Maximum	7864	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 4	Voltage Minimum	7866	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 4	Voltage Maximum	7868	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 4	Alarm Configuration	7870	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Input Config. 5	Parameter Minimum	7872	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 5	Parameter Maximum	7874	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 5	Current Minimum	7876	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 5	Current Maximum	7878	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 5	Voltage Minimum	7880	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 5	Voltage Maximum	7882	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 5	Alarm Configuration	7884	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Input Config. 6	Parameter Minimum	7886	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 6	Parameter Maximum	7888	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 6	Current Minimum	7890	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 6	Current Maximum	7892	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 6	Voltage Minimum	7894	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 6	Voltage Maximum	7896	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 6	Alarm Configuration	7898	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Input Config. 7	Parameter Minimum	7900	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 7	Parameter Maximum	7902	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 7	Current Minimum	7904	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 7	Current Maximum	7906	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 7	Voltage Minimum	7908	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 7	Voltage Maximum	7910	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 7	Alarm Configuration	7912	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Input Config. 8	Parameter Minimum	7914	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 8	Parameter Maximum	7916	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Input Config. 8	Current Minimum	7918	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 8	Current Maximum	7920	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Input Config. 8	Voltage Minimum	7922	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Input Config. 8	Voltage Maximum	7924	Float	4	R W	Volt	0.1	-10 – 10

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 Input Config. 8	Alarm Configuration	7926	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 1	Hysteresis	7928	Float	4	R W	Percent	0.1	0 - 100
AEM 3 Protection 1	Arming Delay	7930	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 1	Threshold 1 Pickup	7932	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 1	Threshold 1 Activation Delay	7934	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 1	Threshold 1 Alarm Configuration	7936	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 1	Threshold 2 Pickup	7938	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 1	Threshold 2 Activation Delay	7940	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 1	Threshold 2 Alarm Configuration	7942	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 1	Threshold 3P ickup	7944	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 1	Threshold 3 Activation Delay	7946	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 1	Threshold 3 Alarm Configuration	7948	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 1	Threshold 4 Pickup	7950	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 1	Threshold 4 Activation Delay	7952	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 1	Threshold 4 Alarm Configuration	7954	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 2	Hysteresis	7956	Float	4	R W	Percent	0.1	0 - 100
AEM 3 Protection 2	Arming Delay	7958	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 2	Threshold 1 Pickup	7960	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 2	Threshold 1 Activation Delay	7962	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 2	Threshold 1 Alarm Configuration	7964	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 2	Threshold 2 Pickup	7966	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 2	Threshold 2 Activation Delay	7968	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 2	Threshold 2 Alarm Configuration	7970	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 2	Threshold 3P ickup	7972	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 2	Threshold 3 Activation Delay	7974	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 Protection 2	Threshold 3 Alarm Configuration	7976	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 2	Threshold 4 Pickup	7978	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 2	Threshold 4 Activation Delay	7980	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 2	Threshold 4 Alarm Configuration	7982	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 3	Hysteresis	7984	Float	4	R W	Percent	0.1	0 - 100
AEM 3 Protection 3	Arming Delay	7986	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 3	Threshold 1 Pickup	7988	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 3	Threshold 1 Activation Delay	7990	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 3	Threshold 1 Alarm Configuration	7992	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 3	Threshold 2 Pickup	7994	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 3	Threshold 2 Activation Delay	7996	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 3	Threshold 2 Alarm Configuration	7998	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 3	Threshold 3P ickup	8000	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 3	Threshold 3 Activation Delay	8002	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 3	Threshold 3 Alarm Configuration	8004	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 3	Threshold 4 Pickup	8006	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 3	Threshold 4 Activation Delay	8008	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 3	Threshold 4 Alarm Configuration	8010	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 4	Hysteresis	8012	Float	4	R W	Percent	0.1	0 - 100
AEM 3 Protection 4	Arming Delay	8014	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 4	Threshold 1 Pickup	8016	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 4	Threshold 1 Activation Delay	8018	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 4	Threshold 1 Alarm Configuration	8020	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 4	Threshold 2 Pickup	8022	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 4	Threshold 2 Activation Delay	8024	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 Protection 4	Threshold 2 Alarm Configuration	8026	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 4	Threshold 3 Pickup	8028	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 4	Threshold 3 Activation Delay	8030	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 4	Threshold 3 Alarm Configuration	8032	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 4	Threshold 4 Pickup	8034	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 4	Threshold 4 Activation Delay	8036	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 4	Threshold 4 Alarm Configuration	8038	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 5	Hysteresis	8040	Float	4	R W	Percent	0.1	0 - 100
AEM 3 Protection 5	Arming Delay	8042	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 5	Threshold 1 Pickup	8044	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 5	Threshold 1 Activation Delay	8046	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 5	Threshold 1 Alarm Configuration	8048	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 5	Threshold 2 Pickup	8050	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 5	Threshold 2 Activation Delay	8052	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 5	Threshold 2 Alarm Configuration	8054	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 5	Threshold 3 Pickup	8056	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 5	Threshold 3 Activation Delay	8058	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 5	Threshold 3 Alarm Configuration	8060	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 5	Threshold 4 Pickup	8062	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 5	Threshold 4 Activation Delay	8064	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 5	Threshold 4 Alarm Configuration	8066	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 6	Hysteresis	8068	Float	4	R W	Percent	0.1	0 - 100
AEM 3 Protection 6	Arming Delay	8070	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 6	Threshold 1 Pickup	8072	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 6	Threshold 1 Activation Delay	8074	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 Protection 6	Threshold 1 Alarm Configuration	8076	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 6	Threshold 2 Pickup	8078	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 6	Threshold 2 Activation Delay	8080	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 6	Threshold 2 Alarm Configuration	8082	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 6	Threshold 3 Pickup	8084	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 6	Threshold 3 Activation Delay	8086	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 6	Threshold 3 Alarm Configuration	8088	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 6	Threshold 4 Pickup	8090	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 6	Threshold 4 Activation Delay	8092	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 6	Threshold 4 Alarm Configuration	8094	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 7	Hysteresis	8096	Float	4	R W	Percent	0.1	0 - 100
AEM 3 Protection 7	Arming Delay	8098	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 7	Threshold 1 Pickup	8100	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 7	Threshold 1 Activation Delay	8102	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 7	Threshold 1 Alarm Configuration	8104	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 7	Threshold 2 Pickup	8106	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 7	Threshold 2 Activation Delay	8108	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 7	Threshold 2 Alarm Configuration	8110	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 7	Threshold 3 Pickup	8112	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 7	Threshold 3 Activation Delay	8114	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 7	Threshold 3 Alarm Configuration	8116	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 7	Threshold 4 Pickup	8118	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 7	Threshold 4 Activation Delay	8120	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 7	Threshold 4 Alarm Configuration	8122	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 8	Hysteresis	8124	Float	4	R W	Percent	0.1	0 - 100

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 Protection 8	Arming Delay	8126	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 8	Threshold 1 Pickup	8128	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 8	Threshold 1 Activation Delay	8130	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 8	Threshold 1 Alarm Configuration	8132	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 8	Threshold 2 Pickup	8134	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 8	Threshold 2 Activation Delay	8136	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 8	Threshold 2 Alarm Configuration	8138	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 8	Threshold 3 Pickup	8140	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 8	Threshold 3 Activation Delay	8142	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 8	Threshold 3 Alarm Configuration	8144	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Protection 8	Threshold 4 Pickup	8146	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Protection 8	Threshold 4 Activation Delay	8148	Float	4	R W	Second	1	0 - 300
AEM 3 Protection 8	Threshold 4 Alarm Configuration	8150	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Remote Analog Output 1	Parameter Selection	8152	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 3 Remote Analog Output 1	Out-of-Range Activation Delay	8154	Float	4	R W	Second	1	0 - 300
AEM 3 Remote Analog Output 1	Parameter Minimum	8156	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Remote Analog Output 1	Parameter Maximum	8158	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Remote Analog Output 1	Current Minimum	8160	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Remote Analog Output 1	Current Maximum	8162	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Remote Analog Output 1	Voltage Minimum	8164	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Remote Analog Output 1	Voltage Maximum	8166	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Remote Analog Output 1	Alarm Configuration	8168	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Remote Analog Output 2	Parameter Selection	8170	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 3 Remote Analog Output 2	Out-of-Range Activation Delay	8172	Float	4	R W	Second	1	0 - 300
AEM 3 Remote Analog Output 2	Parameter Minimum	8174	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Remote Analog Output 2	Parameter Maximum	8176	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Remote Analog Output 2	Current Minimum	8178	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Remote Analog Output 2	Current Maximum	8180	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Remote Analog Output 2	Voltage Minimum	8182	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Remote Analog Output 2	Voltage Maximum	8184	Float	4	R W	Volt	0.1	-10 – 10

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 Remote Analog Output 2	Alarm Configuration	8186	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Remote Analog Output 3	Parameter Selection	8188	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 3 Remote Analog Output 3	Out-of-Range Activation Delay	8190	Float	4	R W	Second	1	0 - 300
AEM 3 Remote Analog Output 3	Parameter Minimum	8192	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Remote Analog Output 3	Parameter Maximum	8194	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Remote Analog Output 3	Current Minimum	8196	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Remote Analog Output 3	Current Maximum	8198	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Remote Analog Output 3	Voltage Minimum	8200	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Remote Analog Output 3	Voltage Maximum	8202	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Remote Analog Output 3	Alarm Configuration	8204	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 3 Remote Analog Output 4	Parameter Selection	8206	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 3 Remote Analog Output 4	Out-of-Range Activation Delay	8208	Float	4	R W	Second	1	0 - 300
AEM 3 Remote Analog Output 4	Parameter Minimum	8210	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Remote Analog Output 4	Parameter Maximum	8212	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 3 Remote Analog Output 4	Current Minimum	8214	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Remote Analog Output 4	Current Maximum	8216	Float	4	R W	Milliamp	0.1	0 - 20
AEM 3 Remote Analog Output 4	Voltage Minimum	8218	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Remote Analog Output 4	Voltage Maximum	8220	Float	4	R W	Volt	0.1	-10 – 10
AEM 3 Remote Analog Output 4	Alarm Configuration	8222	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Input Config. 1	Parameter Minimum	8224	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 1	Parameter Maximum	8226	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 1	Current Minimum	8228	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 1	Current Maximum	8230	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 1	Voltage Minimum	8232	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 1	Voltage Maximum	8234	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 1	Alarm Configuration	8236	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Input Config. 2	Parameter Minimum	8238	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 2	Parameter Maximum	8240	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 2	Current Minimum	8242	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 2	Current Maximum	8244	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 2	Voltage Minimum	8246	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 2	Voltage Maximum	8248	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 2	Alarm Configuration	8250	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Input Config. 3	Parameter Minimum	8252	Float	4	R W	n/a	0.01	-999999 – 999999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Input Config. 3	Parameter Maximum	8254	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 3	Current Minimum	8256	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 3	Current Maximum	8258	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 3	Voltage Minimum	8260	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 3	Voltage Maximum	8262	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 3	Alarm Config	8264	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Input Config. 4	Parameter Minimum	8266	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 4	Parameter Maximum	8268	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 4	Current Minimum	8270	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 4	Current Maximum	8272	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 4	Voltage Minimum	8274	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 4	Voltage Maximum	8276	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 4	Alarm Configuration	8278	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Input Config. 5	Parameter Minimum	8280	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 5	Parameter Maximum	8282	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 5	Current Minimum	8284	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 5	Current Maximum	8286	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 5	Voltage Minimum	8288	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 5	Voltage Maximum	8290	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 5	Alarm Config	8292	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Input Config. 6	Parameter Minimum	8294	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 6	Parameter Maximum	8296	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 6	Current Minimum	8298	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 6	Current Maximum	8300	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 6	Voltage Minimum	8302	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 6	Voltage Maximum	8304	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 6	Alarm Configuration	8306	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Input Config. 7	Parameter Minimum	8308	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 7	Parameter Maximum	8310	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 7	Current Minimum	8312	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 7	Current Maximum	8314	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 7	Voltage Minimum	8316	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 7	Voltage Maximum	8318	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 7	Alarm Configuration	8320	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Input Config. 8	Parameter Minimum	8322	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 8	Parameter Maximum	8324	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Input Config. 8	Current Minimum	8326	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 8	Current Maximum	8328	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Input Config. 8	Voltage Minimum	8330	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 8	Voltage Maximum	8332	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Input Config. 8	Alarm Configuration	8334	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 1	Hysteresis	8336	Float	4	R W	Percent	0.1	0 - 100
AEM 4 Protection 1	Arming Delay	8338	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Protection 1	Threshold 1 Pickup	8340	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 1	Threshold 1 Activation Delay	8342	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 1	Threshold 1 Alarm Configuration	8344	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 1	Threshold 2 Pickup	8346	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 1	Threshold 2 Activation Delay	8348	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 1	Threshold 2 Alarm Configuration	8350	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 1	Threshold 3 Pickup	8352	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 1	Threshold 3 Activation Delay	8354	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 1	Threshold 3 Alarm Configuration	8356	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 1	Threshold 4 Pickup	8358	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 1	Threshold 4 Activation Delay	8360	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 1	Threshold 4 Alarm Configuration	8362	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 2	Hysteresis	8364	Float	4	R W	Percent	0.1	0 - 100
AEM 4 Protection 2	Arming Delay	8366	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 2	Threshold 1 Pickup	8368	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 2	Threshold 1 Activation Delay	8370	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 2	Threshold 1 Alarm Configuration	8372	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 2	Threshold 2 Pickup	8374	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 2	Threshold 2 Activation Delay	8376	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 2	Threshold 2 Alarm Configuration	8378	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 2	Threshold 3 Pickup	8380	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 2	Threshold 3 Activation Delay	8382	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 2	Threshold 3 Alarm Configuration	8384	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 2	Threshold 4 Pickup	8386	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 2	Threshold 4 Activation Delay	8388	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Protection 2	Threshold 4 Alarm Configuration	8390	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 3	Hysteresis	8392	Float	4	R W	Percent	0.1	0 - 100
AEM 4 Protection 3	Arming Delay	8394	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 3	Threshold 1 Pickup	8396	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 3	Threshold 1 Activation Delay	8398	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 3	Threshold 1 Alarm Configuration	8400	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 3	Threshold 2 Pickup	8402	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 3	Threshold 2 Activation Delay	8404	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 3	Threshold 2 Alarm Configuration	8406	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 3	Threshold 3 Pickup	8408	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 3	Threshold 3 Activation Delay	8410	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 3	Threshold 3 Alarm Configuration	8412	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 3	Threshold 4 Pickup	8414	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 3	Threshold 4 Activation Delay	8416	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 3	Threshold 4 Alarm Configuration	8418	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 4	Hysteresis	8420	Float	4	R W	Percent	0.1	0 - 100
AEM 4 Protection 4	Arming Delay	8422	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 4	Threshold 1 Pickup	8424	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 4	Threshold 1 Activation Delay	8426	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 4	Threshold 1 Alarm Configuration	8428	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 4	Threshold 2 Pickup	8430	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 4	Threshold 2 Activation Delay	8432	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 4	Threshold 2 Alarm Configuration	8434	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 4	Threshold 3 Pickup	8436	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 4	Threshold 3 Activation Delay	8438	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Protection 4	Threshold 3 Alarm Configuration	8440	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 4	Threshold 4 Pickup	8442	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 4	Threshold 4 Activation Delay	8444	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 4	Threshold 4 Alarm Configuration	8446	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 5	Hysteresis	8448	Float	4	R W	Percent	0.1	0 - 100
AEM 4 Protection 5	Arming Delay	8450	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 5	Threshold 1 Pickup	8452	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 5	Threshold 1 Activation Delay	8454	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 5	Threshold 1 Alarm Configuration	8456	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 5	Threshold 2 Pickup	8458	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 5	Threshold 2 Activation Delay	8460	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 5	Threshold 2 Alarm Configuration	8462	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 5	Threshold 3 Pickup	8464	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 5	Threshold 3 Activation Delay	8466	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 5	Threshold 3 Alarm Configuration	8468	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 5	Threshold 4 Pickup	8470	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 5	Threshold 4 Activation Delay	8472	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 5	Threshold 4 Alarm Configuration	8474	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 6	Hysteresis	8476	Float	4	R W	Percent	0.1	0 - 100
AEM 4 Protection 6	Arming Delay	8478	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 6	Threshold 1 Pickup	8480	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 6	Threshold 1 Activation Delay	8482	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 6	Threshold 1 Alarm Configuration	8484	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 6	Threshold 2 Pickup	8486	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 6	Threshold 2 Activation Delay	8488	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Protection 6	Threshold 2 Alarm Configuration	8490	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 6	Threshold 3 Pickup	8492	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 6	Threshold 3 Activation Delay	8494	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 6	Threshold 3 Alarm Configuration	8496	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 6	Threshold 4 Pickup	8498	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 6	Threshold 4 Activation Delay	8500	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 6	Threshold 4 Alarm Configuration	8502	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 7	Hysteresis	8504	Float	4	R W	Percent	0.1	0 - 100
AEM 4 Protection 7	Arming Delay	8506	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 7	Threshold 1 Pickup	8508	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 7	Threshold 1 Activation Delay	8510	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 7	Threshold 1 Alarm Configuration	8512	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 7	Threshold 2 Pickup	8514	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 7	Threshold 2 Activation Delay	8516	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 7	Threshold 2 Alarm Configuration	8518	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 7	Threshold 3 Pickup	8520	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 7	Threshold 3 Activation Delay	8522	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 7	Threshold 3 Alarm Configuration	8524	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 7	Threshold 4 Pickup	8526	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 7	Threshold 4 Activation Delay	8528	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 7	Threshold 4 Alarm Configuration	8530	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 8	Hysteresis	8532	Float	4	R W	Percent	0.1	0 - 100
AEM 4 Protection 8	Arming Delay	8534	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 8	Threshold 1 Pickup	8536	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 8	Threshold 1 Activation Delay	8538	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Protection 8	Threshold 1 Alarm Configuration	8540	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 8	Threshold 2 Pickup	8542	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 8	Threshold 2 Activation Delay	8544	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 8	Threshold 2 Alarm Configuration	8546	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 8	Threshold 3 Pickup	8548	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 8	Threshold 3 Activation Delay	8550	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 8	Threshold 3 Alarm Configuration	8552	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Protection 8	Threshold 4 Pickup	8554	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Protection 8	Threshold 4 Activation Delay	8556	Float	4	R W	Second	1	0 - 300
AEM 4 Protection 8	Threshold 4 Alarm Configuration	8558	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Remote Analog Output 1	Parameter Selection	8560	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 4 Remote Analog Output 1	Out-of-Range Activation Delay	8562	Float	4	R W	Second	1	0 - 300
AEM 4 Remote Analog Output 1	Parameter Minimum	8564	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Remote Analog Output 1	Parameter Maximum	8566	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Remote Analog Output 1	Current Minimum	8568	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Remote Analog Output 1	Current Maximum	8570	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Remote Analog Output 1	Voltage Minimum	8572	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Remote Analog Output 1	Voltage Maximum	8574	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Remote Analog Output 1	Alarm Configuration	8576	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Remote Analog Output 2	Parameter Selection	8578	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 4 Remote Analog Output 2	Out-of-Range Activation Delay	8580	Float	4	R W	Second	1	0 - 300
AEM 4 Remote Analog Output 2	Parameter Minimum	8582	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Remote Analog Output 2	Parameter Maximum	8584	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Remote Analog Output 2	Current Minimum	8586	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Remote Analog Output 2	Current Maximum	8588	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Remote Analog Output 2	Voltage Minimum	8590	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Remote Analog Output 2	Voltage Maximum	8592	Float	4	R W	Volt	0.1	-10 – 10

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Remote Analog Output 2	Alarm Configuration	8594	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Remote Analog Output 3	Parameter Selection	8596	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 4 Remote Analog Output 3	Out-of-Range Activation Delay	8598	Float	4	R W	Second	1	0 - 300
AEM 4 Remote Analog Output 3	Parameter Minimum	8600	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Remote Analog Output 3	Parameter Maximum	8602	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Remote Analog Output 3	Current Minimum	8604	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Remote Analog Output 3	Current Maximum	8606	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Remote Analog Output 3	Voltage Minimum	8608	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Remote Analog Output 3	Voltage Maximum	8610	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Remote Analog Output 3	Alarm Configuration	8612	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
AEM 4 Remote Analog Output 4	Parameter Selection	8614	Int32	4	R W	n/a	n/a	See Selectable Parameters chapter for a complete list.
AEM 4 Remote Analog Output 4	Out-of-Range Activation Delay	8616	Float	4	R W	Second	1	0 - 300
AEM 4 Remote Analog Output 4	Parameter Minimum	8618	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Remote Analog Output 4	Parameter Maximum	8620	Float	4	R W	n/a	0.01	-999999 – 999999
AEM 4 Remote Analog Output 4	Current Minimum	8622	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Remote Analog Output 4	Current Maximum	8624	Float	4	R W	Milliamp	0.1	0 - 20
AEM 4 Remote Analog Output 4	Voltage Minimum	8626	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Remote Analog Output 4	Voltage Maximum	8628	Float	4	R W	Volt	0.1	-10 – 10
AEM 4 Remote Analog Output 4	Alarm Configuration	8630	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 1 Protection	Parameter Minimum	8632	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 1 Protection	Parameter Maximum	8634	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 1 Protection	Current Minimum	8636	Float	4	R W	Milliamp	0.1	0 - 20
Analog Input 1 Protection	Current Maximum	8638	Float	4	R W	Milliamp	0.1	0 - 20
Analog Input 1 Protection	Voltage Minimum	8640	Float	4	R W	Volt	0.1	-10 – 10
Analog Input 1 Protection	Voltage Maximum	8642	Float	4	R W	Volt	0.1	-10 – 10
Analog Input 1 Protection	Alarm Configuration	8644	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 1 Protection	Hysteresis	8646	Float	4	R W	Percent	0.1	0 - 100
Analog Input 1 Protection	Arming Delay	8648	Float	4	R W	Second	1	0 - 300
Analog Input 1 Protection	Threshold 1 Pickup	8650	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 1 Protection	Threshold 1 Activation Delay	8652	Float	4	R W	Second	1	0 - 300
Analog Input 1 Protection	Threshold 1 Alarm Configuration	8654	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 1 Protection	Threshold 2 Pickup	8656	Float	4	R W	n/a	0.01	-999999 – 999999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Analog Input 1 Protection	Threshold 2 Activation Delay	8658	Float	4	R W	Second	1	0 - 300
Analog Input 1 Protection	Threshold 2 Alarm Configuration	8660	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 1 Protection	Threshold 3 Pickup	8662	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 1 Protection	Threshold 3 Activation Delay	8664	Float	4	R W	Second	1	0 - 300
Analog Input 1 Protection	Threshold 3 Alarm Configuration	8666	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 1 Protection	Threshold 4 Pickup	8668	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 1 Protection	Threshold 4 Activation Delay	8670	Float	4	R W	Second	1	0 - 300
Analog Input 1 Protection	Threshold 4 Alarm Configuration	8672	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 2 Protection	Parameter Minimum	8674	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 2 Protection	Parameter Maximum	8676	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 2 Protection	Current Minimum	8678	Float	4	R W	Milliamp	0.1	0 - 20
Analog Input 2 Protection	Current Maximum	8680	Float	4	R W	Milliamp	0.1	0 - 20
Analog Input 2 Protection	Voltage Minimum	8682	Float	4	R W	Volt	0.1	-10 – 10
Analog Input 2 Protection	Voltage Maximum	8684	Float	4	R W	Volt	0.1	-10 – 10
Analog Input 2 Protection	alarm config	8686	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 2 Protection	Hysteresis	8688	Float	4	R W	Percent	0.1	0 - 100
Analog Input 2 Protection	Arming Delay	8690	Float	4	R W	Second	1	0 - 300
Analog Input 2 Protection	Threshold 1 Pickup	8692	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 2 Protection	Threshold 1 Activation Delay	8694	Float	4	R W	Second	1	0 - 300
Analog Input 2 Protection	Threshold 1 Alarm Configuration	8696	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 2 Protection	Threshold 2 Pickup	8698	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 2 Protection	Threshold 2 Activation Delay	8700	Float	4	R W	Second	1	0 - 300
Analog Input 2 Protection	Threshold 2 Alarm Configuration	8702	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 2 Protection	Threshold 3 Pickup	8704	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 2 Protection	Threshold 3 Activation Delay	8706	Float	4	R W	Second	1	0 - 300
Analog Input 2 Protection	Threshold 3 Alarm Configuration	8708	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 2 Protection	Threshold 4 Pickup	8710	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 2 Protection	Threshold 4 Activation Delay	8712	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Analog Input 2 Protection	Threshold 4 Alarm Configuration	8714	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 3 Protection	Parameter Minimum	8716	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 3 Protection	Parameter Maximum	8718	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 3 Protection	Current Minimum	8720	Float	4	R W	Milliamp	0.1	0 - 20
Analog Input 3 Protection	Current Maximum	8722	Float	4	R W	Milliamp	0.1	0 - 20
Analog Input 3 Protection	Voltage Minimum	8724	Float	4	R W	Volt	0.1	-10 – 10
Analog Input 3 Protection	Voltage Maximum	8726	Float	4	R W	Volt	0.1	-10 – 10
Analog Input 3 Protection	alarm config	8728	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 3 Protection	Hysteresis	8730	Float	4	R W	Percent	0.1	0 - 100
Analog Input 3 Protection	Arming Delay	8732	Float	4	R W	Second	1	0 - 300
Analog Input 3 Protection	Threshold 1 Pickup	8734	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 3 Protection	Threshold 1 Activation Delay	8736	Float	4	R W	Second	1	0 - 300
Analog Input 3 Protection	Threshold 1 Alarm Configuration	8738	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 3 Protection	Threshold 2 Pickup	8740	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 3 Protection	Threshold 2 Activation Delay	8742	Float	4	R W	Second	1	0 - 300
Analog Input 3 Protection	Threshold 2 Alarm Configuration	8744	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 3 Protection	Threshold 3 Pickup	8746	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 3 Protection	Threshold 3 Activation Delay	8748	Float	4	R W	Second	1	0 - 300
Analog Input 3 Protection	Threshold 3 Alarm Configuration	8750	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 3 Protection	Threshold 4 Pickup	8752	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 3 Protection	Threshold 4 Activation Delay	8754	Float	4	R W	Second	1	0 - 300
Analog Input 3 Protection	Threshold 4 Alarm Configuration	8756	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 4 Protection	Parameter Minimum	8758	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 4 Protection	Parameter Maximum	8760	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 4 Protection	Current Minimum	8762	Float	4	R W	Milliamp	0.1	0 - 20
Analog Input 4 Protection	Current Maximum	8764	Float	4	R W	Milliamp	0.1	0 - 20
Analog Input 4 Protection	Voltage Minimum	8766	Float	4	R W	Volt	0.1	-10 – 10
Analog Input 4 Protection	Voltage Maximum	8768	Float	4	R W	Volt	0.1	-10 – 10
Analog Input 4 Protection	alarm config	8770	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 4 Protection	Hysteresis	8772	Float	4	R W	Percent	0.1	0 - 100
Analog Input 4 Protection	Arming Delay	8774	Float	4	R W	Second	1	0 - 300
Analog Input 4 Protection	Threshold 1 Pickup	8776	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 4 Protection	Threshold 1 Activation Delay	8778	Float	4	R W	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Analog Input 4 Protection	Threshold 1 Alarm Configuration	8780	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 4 Protection	Threshold 2 Pickup	8782	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 4 Protection	Threshold 2 Activation Delay	8784	Float	4	R W	Second	1	0 - 300
Analog Input 4 Protection	Threshold 2 Alarm Configuration	8786	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 4 Protection	Threshold 3 Pickup	8788	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 4 Protection	Threshold 3 Activation Delay	8790	Float	4	R W	Second	1	0 - 300
Analog Input 4 Protection	Threshold 3 Alarm Configuration	8792	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Analog Input 4 Protection	Threshold 4 Pickup	8794	Float	4	R W	n/a	0.01	-999999 – 999999
Analog Input 4 Protection	Threshold 4 Activation Delay	8796	Float	4	R W	Second	1	0 - 300
Analog Input 4 Protection	Threshold 4 Alarm Configuration	8798	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Load Share Settings	Type	8800	Uint32	4	R W		n/a	Voltage=0, Current=1
Load Share Settings	Current Min	8802	Float	4	R W	Milliamp	0.1	0 - 20
Load Share Settings	Current Max	8804	Float	4	R W	Milliamp	0.1	0 - 20
Load Share Settings	Voltage Min	8806	Float	4	R W	Volt	0.1	-10 - 10
Load Share Settings	Voltage Max	8808	Float	4	R W	Volt	0.1	-10 - 10
VRM	Enable	8810	Uint32	4	R W	n/a	n/a	Disabled=0, Enabled=1
AEM 1 Input Config 1	Current Range Min	8812	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 1	Current Range Max	8814	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 1	Voltage Range Min	8816	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 1	Voltage Range Max	8818	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 2	Current Range Min	8820	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 2	Current Range Max	8822	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 2	Voltage Range Min	8824	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 2	Voltage Range Max	8826	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 3	Current Range Min	8828	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 3	Current Range Max	8830	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 3	Voltage Range Min	8832	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 3	Voltage Range Max	8834	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 4	Current Range Min	8836	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 4	Current Range Max	8838	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 4	Voltage Range Min	8840	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 4	Voltage Range Max	8842	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 5	Current Range Min	8844	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 5	Current Range Max	8846	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 5	Voltage Range Min	8848	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 5	Voltage Range Max	8850	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 6	Current Range Min	8852	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 6	Current Range Max	8854	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 6	Voltage Range Min	8856	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 6	Voltage Range Max	8858	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 7	Current Range Min	8860	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 7	Current Range Max	8862	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 7	Voltage Range Min	8864	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 7	Voltage Range Max	8866	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 8	Current Range Min	8868	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 8	Current Range Max	8870	Float	4	R W	Milliamp	0.1	0 - 21
AEM 1 Input Config 8	Voltage Range Min	8872	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 1 Input Config 8	Voltage Range Max	8874	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 2 Input Config 1	Current Range Min	8876	Float	4	R W	Milliamp	0.1	0 - 21
AEM 2 Input Config 1	Current Range Max	8878	Float	4	R W	Milliamp	0.1	0 - 21
AEM 2 Input Config 1	Voltage Range Min	8880	Float	4	R W	Volt	0.1	-10.5 – 10.5

Remote Module Settings Register Table

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Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Input Config 4	Voltage Range Max	9034	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 4 Input Config 5	Current Range Min	9036	Float	4	R W	Milliamp	0.1	0 - 21
AEM 4 Input Config 5	Current Range Max	9038	Float	4	R W	Milliamp	0.1	0 - 21
AEM 4 Input Config 5	Voltage Range Min	9040	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 4 Input Config 5	Voltage Range Max	9042	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 4 Input Config 6	Current Range Min	9044	Float	4	R W	Milliamp	0.1	0 - 21
AEM 4 Input Config 6	Current Range Max	9046	Float	4	R W	Milliamp	0.1	0 - 21
AEM 4 Input Config 6	Voltage Range Min	9048	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 4 Input Config 6	Voltage Range Max	9050	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 4 Input Config 7	Current Range Min	9052	Float	4	R W	Milliamp	0.1	0 - 21
AEM 4 Input Config 7	Current Range Max	9054	Float	4	R W	Milliamp	0.1	0 - 21
AEM 4 Input Config 7	Voltage Range Min	9056	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 4 Input Config 7	Voltage Range Max	9058	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 4 Input Config 8	Current Range Min	9060	Float	4	R W	Milliamp	0.1	0 - 21
AEM 4 Input Config 8	Current Range Max	9062	Float	4	R W	Milliamp	0.1	0 - 21
AEM 4 Input Config 8	Voltage Range Min	9064	Float	4	R W	Volt	0.1	-10.5 – 10.5
AEM 4 Input Config 8	Voltage Range Max	9066	Float	4	R W	Volt	0.1	-10.5 – 10.5
Analog Input 1 Input Config	Current Range Min	9068	Float	4	R W	Milliamp	0.1	0 - 21
Analog Input 1 Input Config	Current Range Max	9070	Float	4	R W	Milliamp	0.1	0 - 21
Analog Input 1 Input Config	Voltage Range Min	9072	Float	4	R W	Volt	0.1	-10.5 – 10.5
Analog Input 1 Input Config	Voltage Range Max	9074	Float	4	R W	Volt	0.1	-10.5 – 10.5
Analog Input 2 Input Config	Current Range Min	9076	Float	4	R W	Milliamp	0.1	0 - 21
Analog Input 2 Input Config	Current Range Max	9078	Float	4	R W	Milliamp	0.1	0 - 21
Analog Input 2 Input Config	Voltage Range Min	9080	Float	4	R W	Volt	0.1	-10.5 – 10.5
Analog Input 2 Input Config	Voltage Range Max	9082	Float	4	R W	Volt	0.1	-10.5 – 10.5
Analog Input 3 Input Config	Current Range Min	9084	Float	4	R W	Milliamp	0.1	0 - 21
Analog Input 3 Input Config	Current Range Max	9086	Float	4	R W	Milliamp	0.1	0 - 21
Analog Input 3 Input Config	Voltage Range Min	9088	Float	4	R W	Volt	0.1	-10.5 – 10.5
Analog Input 3 Input Config	Voltage Range Max	9090	Float	4	R W	Volt	0.1	-10.5 – 10.5
Analog Input 4 Input Config	Current Range Min	9092	Float	4	R W	Milliamp	0.1	0 - 21
Analog Input 4 Input Config	Current Range Max	9094	Float	4	R W	Milliamp	0.1	0 - 21
Analog Input 4 Input Config	Voltage Range Min	9096	Float	4	R W	Volt	0.1	-10.5 – 10.5
Analog Input 4 Input Config	Voltage Range Max	9098	Float	4	R W	Volt	0.1	-10.5 – 10.5



13 • Metering Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
ECU Metering	ECU Lamp Status Data	10000	Uint32	4	R	n/a	1	Bit 0 = Protect Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Warning Bit 4 = Stop Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Malfunction Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = Not Used Bit 30 = Not Used Bit 31 = Not Used
ECU Metering	DTC Count Data	10002	Uint32	4	R	n/a	1	Active stored in upper byte, Previous stored in lower byte
ECU Metering	CAN Coolant Level	10004	Uint32	4	R	n/a	1	Percent
Reserved		10006-7						
Gen Voltage Meter Mag 1	VA	10008	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Mag 1	VB	10010	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Mag 1	VC	10012	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Mag 1	VAB	10014	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Mag 1	VBC	10016	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Mag 1	VCA	10018	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Mag 1	V2L	10020	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Mag 1	V AVG LL	10022	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri 1	VA	10024	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri 1	VB	10026	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri 1	VC	10028	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri 1	VAB	10030	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri 1	VBC	10032	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri 1	VCA	10034	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri 1	V2L	10036	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri 1	V AVG LL	10038	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Ang 1	VA	10040	Float	4	R	Degree	1	0 - 360
Gen Voltage Meter Ang 1	VB	10042	Float	4	R	Degree	1	0 - 360
Gen Voltage Meter Ang 1	VC	10044	Float	4	R	Degree	1	0 - 360

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Gen Voltage Meter Ang 1	VAB	10046	Float	4	R	Degree	1	0 - 360
Gen Voltage Meter Ang 1	VBC	10048	Float	4	R	Degree	1	0 - 360
Gen Voltage Meter Ang 1	VCA	10050	Float	4	R	Degree	1	0 - 360
Bus 1 Voltage Meter Mag	VA	10052	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Mag	VB	10054	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Mag	VC	10056	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Mag	VAB	10058	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Mag	VBC	10060	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Mag	VCA	10062	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Mag	V2L	10064	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Mag	V AVG LL	10066	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	VA	10068	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	VB	10070	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	VC	10072	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	VAB	10074	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	VBC	10076	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	VCA	10078	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	V2L	10080	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	V AVG LL	10082	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Ang	VA	10084	Float	4	R	Degree	1	0 - 360
Bus 1 Voltage Meter Ang	VB	10086	Float	4	R	Degree	1	0 - 360
Bus 1 Voltage Meter Ang	VC	10088	Float	4	R	Degree	1	0 - 360
Bus 1 Voltage Meter Ang	VAB	10090	Float	4	R	Degree	1	0 - 360
Bus 1 Voltage Meter Ang	VBC	10092	Float	4	R	Degree	1	0 - 360
Bus 1 Voltage Meter Ang	VCA	10094	Float	4	R	Degree	1	0 - 360
Bus 2 Voltage Meter Mag	VA	10096	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Mag	VB	10098	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Mag	VC	10100	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Mag	VAB	10102	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Mag	VBC	10104	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Mag	VCA	10106	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Mag	V2L	10108	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Mag	V AVG LL	10110	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Pri	VA	10112	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Pri	VB	10114	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Pri	VC	10116	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Pri	VAB	10118	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Pri	VBC	10120	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Pri	VCA	10122	Float	4	R	Volt	1	0 - 2000000000

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bus 2 Voltage Meter Pri	V2L	10124	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Pri	V AVG LL	10126	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Ang	VA	10128	Float	4	R	Degree	1	0 - 360
Bus 2 Voltage Meter Ang	VB	10130	Float	4	R	Degree	1	0 - 360
Bus 2 Voltage Meter Ang	VC	10132	Float	4	R	Degree	1	0 - 360
Bus 2 Voltage Meter Ang	VAB	10134	Float	4	R	Degree	1	0 - 360
Bus 2 Voltage Meter Ang	VBC	10136	Float	4	R	Degree	1	0 - 360
Bus 2 Voltage Meter Ang	VCA	10138	Float	4	R	Degree	1	0 - 360
Gen Current Meter Mag 1	IA	10140	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Mag 1	IB	10142	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Mag 1	IC	10144	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Mag 1	I1	10146	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Mag 1	I2	10148	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Mag 1	3I0	10150	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Mag 1	I AVG	10152	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Pri 1	IA	10154	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Pri 1	IB	10156	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Pri 1	IC	10158	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Pri 1	I1	10160	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Pri 1	I2	10162	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Pri 1	3I0	10164	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Pri 1	I AVG	10166	Float	4	R	Amp	0.001	0 - 2000000000
Gen Current Meter Ang 1	IA	10168	Float	4	R	Degree	1	0 - 360
Gen Current Meter Ang 1	IB	10170	Float	4	R	Degree	1	0 - 360
Gen Current Meter Ang 1	IC	10172	Float	4	R	Degree	1	0 - 360
Bus 1 Current Meter Mag	IA	10174	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Mag	IB	10176	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Mag	IC	10178	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Mag	I1	10180	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Mag	I2	10182	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Mag	3I0	10184	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Mag	I AVG	10186	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Pri	IA	10188	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Pri	IB	10190	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Pri	IC	10192	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Pri	I1	10194	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Pri	I2	10196	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Pri	3I0	10198	Float	4	R	Amp	0.001	0 - 2000000000
Bus 1 Current Meter Pri	I AVG	10200	Float	4	R	Amp	0.001	0 - 2000000000

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bus 1 Current Meter Ang	IA	10202	Float	4	R	Degree	1	0 - 360
Bus 1 Current Meter Ang	IB	10204	Float	4	R	Degree	1	0 - 360
Bus 1 Current Meter Ang	IC	10206	Float	4	R	Degree	1	0 - 360
Bus 2 Current Meter Mag	IA	10208	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Mag	IB	10210	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Mag	IC	10212	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Mag	I1	10214	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Mag	I2	10216	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Mag	3I0	10218	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Mag	IAVG	10220	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Pri	IA	10222	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Pri	IB	10224	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Pri	IC	10226	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Pri	I1	10228	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Pri	I2	10230	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Pri	3I0	10232	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Pri	IAVG	10234	Float	4	R	Amp	0.001	0 - 2000000000
Bus 2 Current Meter Ang	IA	10236	Float	4	R	Degree	1	0 - 360
Bus 2 Current Meter Ang	IB	10238	Float	4	R	Degree	1	0 - 360
Bus 2 Current Meter Ang	IC	10240	Float	4	R	Degree	1	0 - 360
Icc Current Meter Mag 1	IX	10242	Float	4	R	Amp	0.001	0 - 2000000000
Icc Current Meter Pri 1	IX	10244	Float	4	R	Amp	0.001	0 - 2000000000
Icc Current Meter Ang 1	IX	10246	Float	4	R	Degree	1	0 - 360
Gen Power Meter	Active Power A Primary Average	10248	Float	4	R	Watt	0.01	0 - 3.00E+14
Gen Power Meter	Active Power B Primary Average	10250	Float	4	R	Watt	0.01	0 - 3.00E+14
Gen Power Meter	Active Power C Primary Average	10252	Float	4	R	Watt	0.01	0 - 3.00E+14
Gen Power Meter	Total Active Power Primary Average	10254	Float	4	R	Watt	0.01	0 - 3.00E+14
Gen Power Meter	Reactive Power A Primary Average	10256	Float	4	R	var	0.01	0 - 3.00E+14
Gen Power Meter	Reactive Power B Primary Average	10258	Float	4	R	var	0.01	0 - 3.00E+14
Gen Power Meter	Reactive Power C Primary Average	10260	Float	4	R	var	0.01	0 - 3.00E+14
Gen Power Meter	Total Reactive Power Primary Average	10262	Float	4	R	var	0.01	0 - 3.00E+14
Gen Power Meter	Apparent Power A Primary Average	10264	Float	4	R	VA	0.01	0 - 3.00E+14
Gen Power Meter	Apparent Power B Primary Average	10266	Float	4	R	VA	0.01	0 - 3.00E+14
Gen Power Meter	Apparent Power C Primary Average	10268	Float	4	R	VA	0.01	0 - 3.00E+14
Gen Power Meter	Total Apparent Power Primary Average	10270	Float	4	R	VA	0.01	0 - 3.00E+14
Gen Power Meter	PF A Primary Average	10272	Float	4	R	Power Factor	0.01	-1 - 1
Gen Power Meter	PF B Primary Average	10274	Float	4	R	Power Factor	0.01	-1 - 1
Gen Power Meter	PF C Primary Average	10276	Float	4	R	Power Factor	0.01	-1 - 1
Gen Power Meter	Total PF Primary Average	10278	Float	4	R	Power Factor	0.01	-1 - 1
Bus 1 Power Meter	Active Power A Primary Average	10280	Float	4	R	Watt	0.01	0 - 3.00E+14
Bus 1 Power Meter	Active Power B Primary Average	10282	Float	4	R	Watt	0.01	0 - 3.00E+14
Bus 1 Power Meter	Active Power C Primary Average	10284	Float	4	R	Watt	0.01	0 - 3.00E+14

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bus 1 Power Meter	Total Active Power Primary Average	10286	Float	4	R	Watt	0.01	0 - 3.00E+14
Bus 1 Power Meter	Reactive Power A Primary Average	10288	Float	4	R	var	0.01	0 - 3.00E+14
Bus 1 Power Meter	Reactive Power B Primary Average	10290	Float	4	R	var	0.01	0 - 3.00E+14
Bus 1 Power Meter	Reactive Power C Primary Average	10292	Float	4	R	var	0.01	0 - 3.00E+14
Bus 1 Power Meter	Total Reactive Power Primary Average	10294	Float	4	R	var	0.01	0 - 3.00E+14
Bus 1 Power Meter	Apparent Power A Primary Average	10296	Float	4	R	VA	0.01	0 - 3.00E+14
Bus 1 Power Meter	Apparent Power B Primary Average	10298	Float	4	R	VA	0.01	0 - 3.00E+14
Bus 1 Power Meter	Apparent Power C Primary Average	10300	Float	4	R	VA	0.01	0 - 3.00E+14
Bus 1 Power Meter	Total Apparent Power Primary Average	10302	Float	4	R	VA	0.01	0 - 3.00E+14
Bus 1 Power Meter	PF A Primary Average	10304	Float	4	R	Power Factor	0.01	-1 - 1
Bus 1 Power Meter	PF B Primary Average	10306	Float	4	R	Power Factor	0.01	-1 - 1
Bus 1 Power Meter	PF C Primary Average	10308	Float	4	R	Power Factor	0.01	-1 - 1
Bus 1 Power Meter	Total PF Primary Average	10310	Float	4	R	Power Factor	0.01	-1 - 1
Bus 2 Power Meter	Active Power A Primary Average	10312	Float	4	R	Watt	0.01	0 - 3.00E+14
Bus 2 Power Meter	Active Power B Primary Average	10314	Float	4	R	Watt	0.01	0 - 3.00E+14
Bus 2 Power Meter	Active Power C Primary Average	10316	Float	4	R	Watt	0.01	0 - 3.00E+14
Bus 2 Power Meter	Total Active Power Primary Average	10318	Float	4	R	Watt	0.01	0 - 3.00E+14
Bus 2 Power Meter	Reactive Power A Primary Average	10320	Float	4	R	var	0.01	0 - 3.00E+14
Bus 2 Power Meter	Reactive Power B Primary Average	10322	Float	4	R	var	0.01	0 - 3.00E+14
Bus 2 Power Meter	Reactive Power C Primary Average	10324	Float	4	R	var	0.01	0 - 3.00E+14
Bus 2 Power Meter	Total Reactive Power Primary Average	10326	Float	4	R	var	0.01	0 - 3.00E+14
Bus 2 Power Meter	Apparent Power A Primary Average	10328	Float	4	R	VA	0.01	0 - 3.00E+14
Bus 2 Power Meter	Apparent Power B Primary Average	10330	Float	4	R	VA	0.01	0 - 3.00E+14
Bus 2 Power Meter	Apparent Power C Primary Average	10332	Float	4	R	VA	0.01	0 - 3.00E+14
Bus 2 Power Meter	Total Apparent Power Primary Average	10334	Float	4	R	VA	0.01	0 - 3.00E+14
Bus 2 Power Meter	PF A Primary Average	10336	Float	4	R	Power Factor	0.01	-1 - 1
Bus 2 Power Meter	PF B Primary Average	10338	Float	4	R	Power Factor	0.01	-1 - 1
Bus 2 Power Meter	PF C Primary Average	10340	Float	4	R	Power Factor	0.01	-1 - 1
Bus 2 Power Meter	Total PF Primary Average	10342	Float	4	R	Power Factor	0.01	-1 - 1
Gen Energy Meter	Positive Watthour Total	10344	Float	4	R W	Watthour	1000	0.00E+00 - 1.00E+12
Gen Energy Meter	Positive varhour Total	10346	Float	4	R W	varhour	1000	0.00E+00 - 1.00E+12
Gen Energy Meter	Negative Watthour Total	10348	Float	4	R W	Watthour	1000	-1.00E+12 - 0.00E+00
Gen Energy Meter	Negative varhour Total	10350	Float	4	R W	varhour	1000	-1.00E+12 - 0.00E+00
Gen Energy Meter	VA Hour Total	10352	Float	4	R W	varhour	1000	0.00E+00 - 1.00E+12
Bus 1 Energy Meter	Positive Watthour Total	10354	Float	4	R W	Watthour	1000	0.00E+00 - 1.00E+12
Bus 1 Energy Meter	Positive varhour Total	10356	Float	4	R W	varhour	1000	0.00E+00 - 1.00E+12
Bus 1 Energy Meter	Negative Watthour Total	10358	Float	4	R W	Watthour	1000	-1.00E+12 - 0.00E+00
Bus 1 Energy Meter	Negative varhour Total	10360	Float	4	R W	varhour	1000	-1.00E+12 - 0.00E+00
Bus 1 Energy Meter	VA Hour Total	10362	Float	4	R W	varhour	1000	0.00E+00 - 1.00E+12
Bus 2 Energy Meter	Positive Watthour Total	10364	Float	4	R W	Watthour	1000	0.00E+00 - 1.00E+12
Bus 2 Energy Meter	Positive varhour Total	10366	Float	4	R W	varhour	1000	0.00E+00 - 1.00E+12
Bus 2 Energy Meter	Negative Watthour Total	10368	Float	4	R W	Watthour	1000	-1.00E+12 - 0.00E+00
Bus 2 Energy Meter	Negative varhour Total	10370	Float	4	R W	varhour	1000	-1.00E+12 - 0.00E+00
Bus 2 Energy Meter	VA Hour Total	10372	Float	4	R W	varhour	1000	0.00E+00 - 1.00E+12
Sync Meter 1	Slip Angle	10374	Float	4	R	Degree	0.1	-359.9 - 359.9
Sync Meter 1	Slip Freq	10376	Float	4	R	Hertz	n/a	n/a
Sync Meter 1	Voltage Difference	10378	Float	4	R	Volt	n/a	n/a
Gen Frequency Meter 1	Frequency	10380	Float	4	R	Hertz	0.001	10 - 180
Bus 1 Frequency Meter	Frequency	10382	Float	4	R	Hertz	0.001	10 - 180

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Bus 2 Frequency Meter	Frequency	10384	Float	4	R	Hertz	0.001	10 - 180
Aux Input Voltage 1	Value	10386	Float	4	R	Volt	0.01	-9999999 - 9999999
Battery Voltage 1	Value	10388	Float	4	R	Volt	0.1	-9999999 - 9999999
Independent Meter 1	Oil Pressure, Filtered	10390	Float	4	R	PSI	n/a	n/a
Independent Meter 1	Coolant Temperature	10392	Float	4	R	Deg F	n/a	n/a
Independent Meter 1	Fuel Level	10394	Float	4	R	Percent	n/a	n/a
Independent Meter 1	Engine Speed RPM	10396	Float	4	R	RPM	n/a	n/a
Independent Meter 1	Gen Seq Start Level 1 PU	10398	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Gen Seq Start Level 1 Timeout	10400	Float	4	R	Second	n/a	n/a
Independent Meter 1	Gen Seq Start Level 1 Time Delay	10402	Float	4	R	Second	n/a	n/a
Independent Meter 1	Gen Seq Start Level 2 PU	10404	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Gen Seq Start Level 2 Timeout	10406	Float	4	R	Second	n/a	n/a
Independent Meter 1	Gen Seq Start Level 2 Time Delay	10408	Float	4	R	Second	n/a	n/a
Independent Meter 1	Gen Seq Stop Level PU	10410	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Gen Seq Stop Level Timeout	10412	Float	4	R	Second	n/a	n/a
Independent Meter 1	Gen Seq Stop Level Time Delay	10414	Float	4	R	Second	n/a	n/a
Independent Meter 1	Gen Seq Seq ID	10416	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Next to Start	10418	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Next to Stop	10420	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Watt Load PU	10422	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Gen Seq var Load PU	10424	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Gen Seq DSS Mode	10426	UInt32	4	R	n/a	n/a	Disabled=0 PU Load=1 Spinning Reserve=2
Independent Meter 1	Gen Seq Seq Mode	10428	UInt32	4	R	n/a	n/a	Disabled=50 Staggered=51 Balanced=52 Large Size=53 Small Size=54 Small ID=55 Adopt System Mode=56 Balanced Engine Hours=57 Uninitialized=99
Independent Meter 1	Gen Seq Network Sys Manager	10430	UInt32	4	R	n/a	1	0 - 4294967295
Independent Meter 1	Gen Seq Network Num Units	10432	UInt32	4	R	n/a	1	0 - 4294967295
Independent Meter 1	Gen Seq Network Num Units Online	10434	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Gen Seq Network Online kW Capacity	10436	Float	4	R	kW	0.01	0 - 3.00E+14
Independent Meter 1	Gen Seq Network Online kvar Capacity	10438	Float	4	R	kvar	0.01	0 - 3.00E+14
Independent Meter 1	Gen Seq Network Total kW	10440	Float	4	R	kW	0.01	0 - 3.00E+14
Independent Meter 1	Gen Seq Network Total kvar	10442	Float	4	R	kvar	0.01	0 - 3.00E+14
Independent Meter 1	Gen Seq Network ID 1	10444	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 2	10446	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 3	10448	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 4	10450	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 5	10452	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 6	10454	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 7	10456	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 8	10458	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 9	10460	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 10	10462	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 11	10464	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 12	10466	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 13	10468	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 14	10470	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 15	10472	Int32	4	R	n/a	1	-2147483647 - 2147483647

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Independent Meter 1	Gen Seq Network ID 16	10474	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 17	10476	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 18	10478	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 19	10480	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 20	10482	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 21	10484	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 22	10486	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 23	10488	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 24	10490	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 25	10492	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 26	10494	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 27	10496	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 28	10498	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 29	10500	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 30	10502	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 31	10504	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Gen Seq Network ID 32	10506	Int32	4	R	n/a	1	-2147483647 - 2147483647
Independent Meter 1	Reserve Available	10508	Float	4	R	kW	0.01	0 - 3.00E+14
Independent Meter 1	Adjusted Reserve Available	10510	Float	4	R	kW	0.01	0 - 3.00E+14
Independent Meter 1	Reserve Capacity 1	10512	Float	4	R	kW	0.01	0 - 3.00E+14
Independent Meter 1	Reserve Capacity 2	10514	Float	4	R	kW	0.01	0 - 3.00E+14
Independent Meter 1	Reserve Hysteresis	10516	Float	4	R	kW	0.01	0 - 3.00E+14
Independent Meter 1	Gen Operating Connection	10518	Int32	4	R		n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Independent Meter 1	Gen Max Vector Shift	10520	Float	4	R	Degree	1	0 - 360
Independent Meter 1	Gen Max ROCOF	10522	Float	4	R	Hertz	0.01	-9999 - 9999
Independent Meter 1	Gen ROCOF	10524	Float	4	R	Hertz	0.01	-9999 - 9999
Independent Meter 1	Bus 1 Operating Connection	10526	Int32	4	R		n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Independent Meter 1	Bus 1 Max Vector Shift	10528	Float	4	R	Degree	1	0 - 360
Independent Meter 1	Bus 1 Max ROCOF	10530	Float	4	R	Hertz	0.01	-9999 - 9999
Independent Meter 1	Bus 1 ROCOF	10532	Float	4	R	Hertz	0.01	-9999 - 9999
Independent Meter 1	Bus 2 Operating Connection	10534	Int32	4	R		n/a	Delta=7 Wye=8 1 Phase AB=0 1 Phase AC=2 Grounded Delta=9
Independent Meter 1	Bus 2 Max Vector Shift	10536	Float	4	R	Degree	1	0 - 360
Independent Meter 1	Bus 2 Max ROCOF	10538	Float	4	R	Hertz	0.01	-9999 - 9999
Independent Meter 1	Bus 2 ROCOF	10540	Float	4	R	Hertz	0.01	-9999 - 9999
Independent Meter 1	Engine Load	10542	Float	4	R	Percent	n/a	n/a
Independent Meter 1	Coolant Level	10544	Float	4	R	Percent	n/a	n/a
Independent Meter 1	Active Speed Source	10546	Uint32	4	R		n/a	NA=0 MPU=1 Gen Freq=2 CANBus=4
Independent Meter 1	Voltage Bias Output	10548	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Speed Bias Output	10550	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Demand per Unit	10552	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Auxiliary Voltage Input	10554	Float	4	R	Volt	n/a	n/a
Independent Meter 1	Auxiliary Current Input	10556	Float	4	R	Milliamp	n/a	n/a
IG Current Meter Mag 1	IX	10558	Float	4	R	Amp	0.001	0 - 2000000000
IG Current Meter Pri 1	IX	10560	Float	4	R	Amp	0.001	0 - 2000000000

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
IG Current Meter Ang 1	IX	10562	Float	4	R	Degree	1	0 - 360
AVR Output Meter 1	Raw	10564	Float	4	R	Volt	n/a	n/a
AVR Output Meter 1	Scaled	10566	Float	4	R	n/a	n/a	n/a
AVR Output Meter 1	Raw Filtered	10568	Float	4	R	Volt	n/a	n/a
GOV Output Meter 1	Raw	10570	Float	4	R	Volt	n/a	n/a
GOV Output Meter 1	Scaled	10572	Float	4	R	n/a	n/a	n/a
GOV Output Meter 1	Raw Filtered	10574	Float	4	R	Volt	n/a	n/a
LS Output Meter 1	Raw	10576	Float	4	R	Volt	n/a	n/a
LS Output Meter 1	Scaled	10578	Float	4	R	n/a	n/a	n/a
LS Output Meter 1	Raw Filtered	10580	Float	4	R	n/a	n/a	n/a
Load Share Line Volt Meter 1	VX	10582	Float	4	R	Volt	0.001	-1000 - 1000
AEM 1 Metering	Analog Input 1 Raw Value	10584	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 2 Raw Value	10586	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 3 Raw Value	10588	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 4 Raw Value	10590	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 5 Raw Value	10592	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 6 Raw Value	10594	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 7 Raw Value	10596	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 8 Raw Value	10598	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 1 Scaled Value	10600	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 2 Scaled Value	10602	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 3 Scaled Value	10604	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 4 Scaled Value	10606	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 5 Scaled Value	10608	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 6 Scaled Value	10610	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 7 Scaled Value	10612	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Input 8 Scaled Value	10614	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	RTD Input 1 Raw Value	10616	Float	4	R	Ohm	n/a	n/a
AEM 1 Metering	RTD Input 2 Raw Value	10618	Float	4	R	Ohm	n/a	n/a
AEM 1 Metering	RTD Input 3 Raw Value	10620	Float	4	R	Ohm	n/a	n/a
AEM 1 Metering	RTD Input 4 Raw Value	10622	Float	4	R	Ohm	n/a	n/a
AEM 1 Metering	RTD Input 5 Raw Value	10624	Float	4	R	Ohm	n/a	n/a
AEM 1 Metering	RTD Input 6 Raw Value	10626	Float	4	R	Ohm	n/a	n/a
AEM 1 Metering	RTD Input 7 Raw Value	10628	Float	4	R	Ohm	n/a	n/a
AEM 1 Metering	RTD Input 8 Raw Value	10630	Float	4	R	Ohm	n/a	n/a
AEM 1 Metering	RTD Input 1 Scaled Value	10632	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	RTD Input 2 Scaled Value	10634	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	RTD Input 3 Scaled Value	10636	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	RTD Input 4 Scaled Value	10638	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	RTD Input 5 Scaled Value	10640	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	RTD Input 6 Scaled Value	10642	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	RTD Input 7 Scaled Value	10644	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	RTD Input 8 Scaled Value	10646	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	Thermal Input 1 Raw Value	10648	Float	4	R	Millivolt	n/a	n/a
AEM 1 Metering	Thermal Input 2 Raw Value	10650	Float	4	R	Millivolt	n/a	n/a
AEM 1 Metering	Analog Output 1 Raw Value	10652	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Output 2 Raw Value	10654	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Output 3 Raw Value	10656	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Output 4 Raw Value	10658	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Output 1 Scaled Value	10660	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Output 2 Scaled Value	10662	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Output 3 Scaled Value	10664	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Analog Output 4 Scaled Value	10666	Float	4	R	n/a	n/a	n/a
AEM 1 Metering	Thermal Input 1 Scaled Value	10668	Float	4	R	Deg F	n/a	n/a
AEM 1 Metering	Thermal Input 2 Scaled Value	10670	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	Analog Input 1 Raw Value	10672	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 2 Raw Value	10674	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 3 Raw Value	10676	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 4 Raw Value	10678	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 5 Raw Value	10680	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 6 Raw Value	10682	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 7 Raw Value	10684	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 8 Raw Value	10686	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 1 Scaled Value	10688	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 2 Scaled Value	10690	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 3 Scaled Value	10692	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 4 Scaled Value	10694	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 5 Scaled Value	10696	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 6 Scaled Value	10698	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 7 Scaled Value	10700	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Input 8 Scaled Value	10702	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	RTD Input 1 Raw Value	10704	Float	4	R	Ohm	n/a	n/a
AEM 2 Metering	RTD Input 2 Raw Value	10706	Float	4	R	Ohm	n/a	n/a
AEM 2 Metering	RTD Input 3 Raw Value	10708	Float	4	R	Ohm	n/a	n/a

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Metering	RTD Input 4 Raw Value	10710	Float	4	R	Ohm	n/a	n/a
AEM 2 Metering	RTD Input 5 Raw Value	10712	Float	4	R	Ohm	n/a	n/a
AEM 2 Metering	RTD Input 6 Raw Value	10714	Float	4	R	Ohm	n/a	n/a
AEM 2 Metering	RTD Input 7 Raw Value	10716	Float	4	R	Ohm	n/a	n/a
AEM 2 Metering	RTD Input 8 Raw Value	10718	Float	4	R	Ohm	n/a	n/a
AEM 2 Metering	RTD Input 1 Scaled Value	10720	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	RTD Input 2 Scaled Value	10722	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	RTD Input 3 Scaled Value	10724	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	RTD Input 4 Scaled Value	10726	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	RTD Input 5 Scaled Value	10728	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	RTD Input 6 Scaled Value	10730	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	RTD Input 7 Scaled Value	10732	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	RTD Input 8 Scaled Value	10734	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	Thermal Input 1 Raw Value	10736	Float	4	R	Millivolt	n/a	n/a
AEM 2 Metering	Thermal Input 2 Raw Value	10738	Float	4	R	Millivolt	n/a	n/a
AEM 2 Metering	Analog Output 1 Raw Value	10740	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Output 2 Raw Value	10742	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Output 3 Raw Value	10744	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Output 4 Raw Value	10746	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Output 1 Scaled Value	10748	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Output 2 Scaled Value	10750	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Output 3 Scaled Value	10752	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Analog Output 4 Scaled Value	10754	Float	4	R	n/a	n/a	n/a
AEM 2 Metering	Thermal Input 1 Scaled Value	10756	Float	4	R	Deg F	n/a	n/a
AEM 2 Metering	Thermal Input 2 Scaled Value	10758	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	Analog Input 1 Raw Value	10760	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 2 Raw Value	10762	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 3 Raw Value	10764	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 4 Raw Value	10766	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 5 Raw Value	10768	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 6 Raw Value	10770	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 7 Raw Value	10772	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 8 Raw Value	10774	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 1 Scaled Value	10776	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 2 Scaled Value	10778	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 3 Scaled Value	10780	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 4 Scaled Value	10782	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 5 Scaled Value	10784	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 6 Scaled Value	10786	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 7 Scaled Value	10788	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Input 8 Scaled Value	10790	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	RTD Input 1 Raw Value	10792	Float	4	R	Ohm	n/a	n/a
AEM 3 Metering	RTD Input 2 Raw Value	10794	Float	4	R	Ohm	n/a	n/a
AEM 3 Metering	RTD Input 3 Raw Value	10796	Float	4	R	Ohm	n/a	n/a
AEM 3 Metering	RTD Input 4 Raw Value	10798	Float	4	R	Ohm	n/a	n/a
AEM 3 Metering	RTD Input 5 Raw Value	10800	Float	4	R	Ohm	n/a	n/a
AEM 3 Metering	RTD Input 6 Raw Value	10802	Float	4	R	Ohm	n/a	n/a
AEM 3 Metering	RTD Input 7 Raw Value	10804	Float	4	R	Ohm	n/a	n/a
AEM 3 Metering	RTD Input 8 Raw Value	10806	Float	4	R	Ohm	n/a	n/a
AEM 3 Metering	RTD Input 1 Scaled Value	10808	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	RTD Input 2 Scaled Value	10810	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	RTD Input 3 Scaled Value	10812	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	RTD Input 4 Scaled Value	10814	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	RTD Input 5 Scaled Value	10816	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	RTD Input 6 Scaled Value	10818	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	RTD Input 7 Scaled Value	10820	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	RTD Input 8 Scaled Value	10822	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	Thermal Input 1 Raw Value	10824	Float	4	R	Millivolt	n/a	n/a
AEM 3 Metering	Thermal Input 2 Raw Value	10826	Float	4	R	Millivolt	n/a	n/a
AEM 3 Metering	Analog Output 1 Raw Value	10828	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Output 2 Raw Value	10830	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Output 3 Raw Value	10832	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Output 4 Raw Value	10834	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Output 1 Scaled Value	10836	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Output 2 Scaled Value	10838	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Output 3 Scaled Value	10840	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Analog Output 4 Scaled Value	10842	Float	4	R	n/a	n/a	n/a
AEM 3 Metering	Thermal Input 1 Scaled Value	10844	Float	4	R	Deg F	n/a	n/a
AEM 3 Metering	Thermal Input 2 Scaled Value	10846	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	Analog Input 1 Raw Value	10848	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 2 Raw Value	10850	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 3 Raw Value	10852	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 4 Raw Value	10854	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 5 Raw Value	10856	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 6 Raw Value	10858	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 7 Raw Value	10860	Float	4	R	n/a	n/a	n/a

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Metering	Analog Input 8 Raw Value	10862	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 1 Scaled Value	10864	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 2 Scaled Value	10866	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 3 Scaled Value	10868	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 4 Scaled Value	10870	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 5 Scaled Value	10872	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 6 Scaled Value	10874	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 7 Scaled Value	10876	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Input 8 Scaled Value	10878	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	RTD Input 1 Raw Value	10880	Float	4	R	Ohm	n/a	n/a
AEM 4 Metering	RTD Input 2 Raw Value	10882	Float	4	R	Ohm	n/a	n/a
AEM 4 Metering	RTD Input 3 Raw Value	10884	Float	4	R	Ohm	n/a	n/a
AEM 4 Metering	RTD Input 4 Raw Value	10886	Float	4	R	Ohm	n/a	n/a
AEM 4 Metering	RTD Input 5 Raw Value	10888	Float	4	R	Ohm	n/a	n/a
AEM 4 Metering	RTD Input 6 Raw Value	10890	Float	4	R	Ohm	n/a	n/a
AEM 4 Metering	RTD Input 7 Raw Value	10892	Float	4	R	Ohm	n/a	n/a
AEM 4 Metering	RTD Input 8 Raw Value	10894	Float	4	R	Ohm	n/a	n/a
AEM 4 Metering	RTD Input 1 Scaled Value	10896	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	RTD Input 2 Scaled Value	10898	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	RTD Input 3 Scaled Value	10900	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	RTD Input 4 Scaled Value	10902	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	RTD Input 5 Scaled Value	10904	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	RTD Input 6 Scaled Value	10906	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	RTD Input 7 Scaled Value	10908	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	RTD Input 8 Scaled Value	10910	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	Thermal Input 1 Raw Value	10912	Float	4	R	Millivolt	n/a	n/a
AEM 4 Metering	Thermal Input 2 Raw Value	10914	Float	4	R	Millivolt	n/a	n/a
AEM 4 Metering	Analog Output 1 Raw Value	10916	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Output 2 Raw Value	10918	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Output 3 Raw Value	10920	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Output 4 Raw Value	10922	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Output 1 Scaled Value	10924	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Output 2 Scaled Value	10926	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Output 3 Scaled Value	10928	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Analog Output 4 Scaled Value	10930	Float	4	R	n/a	n/a	n/a
AEM 4 Metering	Thermal Input 1 Scaled Value	10932	Float	4	R	Deg F	n/a	n/a
AEM 4 Metering	Thermal Input 2 Scaled Value	10934	Float	4	R	Deg F	n/a	n/a
COMS CONTROL GROUP	Average Line-Line Generator Voltage	10936	Float	4	R	Volt LL	1	0 - 2000000000
J1939 Params	J1939 Accelerator Pedal Position	10938	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> (0.4 %/bit gain, 0% offset)
J1939 Params	J1939 Percent Load At Current Speed	10940	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, 0% offset
J1939 Params	J1939 Actual Engine Percent Torque	10942	Uint32	4	R	Percent	1	<u>Data Range</u> -125 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
J1939 Params	J1939 Engine Speed	10944	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 Speed At Idle Point 1	10946	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
J1939 Params	J1939 Torque At Idle Point 1	10948	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
J1939 Params	J1939 Speed At Idle Point 2	10950	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
J1939 Params	J1939 Torque At Idle Point 2	10952	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
J1939 Params	J1939 Speed At Idle Point 3	10954	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 Torque At Idle Point 3	10956	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
J1939 Params	J1939 Speed At Idle Point 4	10958	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
J1939 Params	J1939 Torque At Idle Point 4	10960	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
J1939 Params	J1939 Speed At Idle Point 5	10962	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
J1939 Params	J1939 Torque At Idle Point 5	10964	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
J1939 Params	J1939 Speed At High Idle Point 6	10966	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
J1939 Params	J1939 Gain Of End speed Governor	10968	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 50.2 %/rpm <u>Raw ECU Parameter Data</u> 0.0007813% engine reference torque/rpm per bit gain (normalized), 0 %/rpm per bit offset
J1939 Params	J1939 Reference Engine Torque	10970	Uint32	4	R	Nm	1	<u>Data Range</u> 0 – 64255 Nm <u>Raw ECU Parameter Data</u> 1 Nm/bit gain, 0 Nm offset
J1939 Params	J1939 Override Speed Point 7	10972	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
J1939 Params	J1939 Override Time Limit	10974	Uint32	4	R	Seconds	1	<u>Data Range</u> 0 – 25 s <u>Raw ECU Parameter Data</u> 0.1 s/bit gain, 0 s offset
J1939 Params	J1939 Speed Lower Limit	10976	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 2500 rpm <u>Raw ECU Parameter Data</u> 10 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 Speed Upper Limit	10978	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 2500 rpm <u>Raw ECU Parameter Data</u> 10 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 Torque Lower Limit	10980	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
J1939 Params	J1939 Torque Upper Limit	10982	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
J1939 Params	J1939 Engine Run Time	10984	Uint32	4	R	Hours	1	<u>Data Range</u> 0 – +210,554, 060.75 h <u>Raw ECU Parameter Data</u> 0.05 h/bit gain, 0 h offset
J1939 Params	J1939 Trip Fuel	10986	Uint32	4	R	Liters	1	<u>Data Range</u> 0 – 2105540,608 L <u>Raw ECU Parameter Data</u> 0.5 L/bit gain, 0 L offset
J1939 Params	J1939 Total Fuel Used	10988	Uint32	4	R	Liters	1	<u>Data Range</u> 0 – 2105540608 L <u>Raw ECU Parameter Data</u> 0.5 L/bit gain, 0 L offset
J1939 Params	J1939 Coolant Temperature	10990	Uint32	4	R	Degrees	1	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
J1939 Params	J1939 Fuel Temperature	10992	Uint32	4	R	Degrees	1	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 Engine Oil Temperature	10994	Uint32	4	R	Degrees	1	<u>Data Range</u> -273 – 1735°C, -459.4 – 3155°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
J1939 Params	J1939 Engine Intercooler Temperature	10996	Uint32	4	R	Degrees	1	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
J1939 Params	J1939 Fuel Delivery Pressure	10998	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 1000 kPa, 0 – 145 psi <u>Raw ECU Parameter Data</u> 4 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Engine Oil Level	11000	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
J1939 Params	J1939 Oil Pressure	11002	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 1000 kPa, 0 - 145 psi <u>Raw ECU Parameter Data</u> 4 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Coolant Pressure	11004	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 500 kPa, 0 – 72.5 psi <u>Raw ECU Parameter Data</u> 2 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Coolant Level	11006	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
J1939 Params	J1939 Injection Control Pressure 2	11008	Uint32	4	R	MPa	1	<u>Data Range</u> 0 – 251 MPa <u>Raw ECU Parameter Data</u> 1/256 MPa/bit gain, 0 MPa offset
J1939 Params	J1939 Injector Metering Rail Pressure 2	11010	Uint32	4	R	MPa	1	<u>Data Range</u> 0 – 251 MPa, 0 – 36404 psi <u>Raw ECU Parameter Data</u> 1/256 MPa/bit gain, 0 MPa offset
J1939 Params	J1939 Fuel Rate	11012	Uint32	4	R	Liters/hour	1	<u>Data Range</u> 0 – 3212.75 L/h <u>Raw ECU Parameter Data</u> 0.05 L/h per bit gain, 0 L/h offset (13.9 x 10 ⁻⁶ L/s per bit)
J1939 Params	J1939 Instantaneous Fuel Economy	11014	Uint32	4	R	Km/Liter	1	<u>Data Range</u> 0 – 125.498046875 <u>Raw ECU Parameter Data</u> 1/512 km/L per bit gain, 0 offset
J1939 Params	J1939 Average Fuel Economy	11016	Uint32	4	R	Km/Liter	1	<u>Data Range</u> 0 – 125.498046875 <u>Raw ECU Parameter Data</u> 1/512 km/L per bit gain, 0 offset
J1939 Params	J1939 Barometric Pressure	11018	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 125 kPa, 0 – 18.1 psi <u>Raw ECU Parameter Data</u> 0.5 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Ambient Air Temperature	11020	Uint32	4	R	Degrees	1	<u>Data Range</u> -273 – 1735°C, -459.4 – 3155°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
J1939 Params	J1939 Air Inlet Temperature	11022	Uint32	4	R	Degrees	1	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
J1939 Params	J1939 Boost Pressure	11024	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 500 kPa, 0 – 72.5 psi <u>Raw ECU Parameter Data</u> 2 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Intake Manifold Temperature	11026	Uint32	4	R	Degrees	1	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 Air Filter Differential Pressure	11028	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 12.5 kPa, 0 – 1.8 psi <u>Raw ECU Parameter Data</u> 0.05 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Exhaust Gas Temperature	11030	Uint32	4	R	Degrees	1	<u>Data Range</u> -273 – 1735°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
J1939 Params	J1939 Electrical Potential Voltage	11032	Uint32	4	R	Volts	1	<u>Data Range</u> 0 – 3212.75 V <u>Raw ECU Parameter Data</u> 0.05 V/bit gain, 0 V offset
J1939 Params	J1939 Battery Potential Voltage Switched	11034	Uint32	4	R	Volts	1	<u>Data Range</u> 0 – 3212.75 V <u>Raw ECU Parameter Data</u> 0.05 V/bit gain, 0 V offset
J1939 Params	J1939 Transmission Oil Pressure	11036	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 4000 kPa, 0 – 580 psi <u>Raw ECU Parameter Data</u> 16 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Transmission Oil Temperature	11038	Uint32	4	R	Degrees	1	<u>Data Range</u> -273 – 1735°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
J1939 Params	J1939 Winding 1 Temperature	11040	Uint32	4	R	Degrees	1	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
J1939 Params	J1939 Winding 2 Temperature	11042	Uint32	4	R	Degrees	1	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
J1939 Params	J1939 Winding 3 Temperature	11044	Uint32	4	R	Degrees	1	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
J1939 Params	J1939 ECU Temperature	11046	Uint32	4	R	Degrees	1	<u>Data Range</u> -273 – 1734.96875°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
J1939 Params	J1939 Auxiliary Pressure 1	11048	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 4000 kPa, 0 – 580 psi <u>Raw ECU Parameter Data</u> 16 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Auxiliary Pressure 2	11050	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 4000 kPa, 0 – 580 psi <u>Raw ECU Parameter Data</u> 16 kPa/bit gain, 0 kPa offset
J1939 Params	J1939 Rated Power	11052	Uint32	4	R	kW	1	<u>Data Range</u> 0 – 32127.5 kW <u>Raw ECU Parameter Data</u> 0.5 kW/bit gain, 0 kW offset
J1939 Params	J1939 Rated rpm	11054	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 Exhaust Temperature A	11056	Uint32	4	R	Degrees	1	<u>Data Range</u> -273 – 1734.96875°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
J1939 Params	J1939 Exhaust Temperature B	11058	Uint32	4	R	Degrees	1	<u>Data Range</u> -273 – 1734.96875°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 Charge Air Temperature	11060	Uint32	4	R	Degrees	1	<u>Data Range</u> -273 – 1734.96875°C, - 459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
J1939 Params	J1939 Fuel Leakage Filter 1	11062	Uint32	4	R	n/a	1	0- Fail 1- Ok 2- Internal Error 3- No Status Available
J1939 Params	J1939 Fuel Leakage Filter 2	11064	Uint32	4	R	n/a	1	0- Fail 1- Ok 2- Internal Error 3- No Status Available
J1939 Params	J1939 Alarm Reset Feedback	11066	Uint32	4	R	n/a	1	0- Fail 1- Ok 2- Internal Error 3- No Status Available
J1939 Params	J1939 Shutdown From ECU	11068	Uint32	4	R	n/a	1	0- Fail 1- Ok 2- Internal Error 3- No Status Available
J1939 Params	J1939 ADEC ECU Error Code	11070	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 65535 Proprietary: Consult engine manufacturer
J1939 Params	J1939ADEC Selected Speed Demand	11072	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 ADEC Effective Set Speed	11074	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 ADEC CAN Bus Speed Demand Fdbk	11076	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 ADEC Analog Speed Demand Fdbk	11078	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 ADEC Speed Demand Source	11080	Uint32	4	R	n/a	1	0- Analog CAN 1- UP/DN ECU 2- UP/DN CAN 3- Analog ECU 5- Frequency 7- No CAN Demand
J1939 Params	J1939 ADEC Specified Torque	11082	Uint32	4	R	Nm	1	<u>Data Range</u> 0 – 64255 Nm <u>Raw ECU Parameter Data</u> 1 Nm/bit gain, 0 Nm offset
J1939 Params	J1939 ADEC Engine Optimized	11084	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 64255 Proprietary: Consult engine manufacturer
J1939 Params	J1939 ADEC Current P Degree	11086	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 160.7375% <u>Raw ECU Parameter Data</u> 0.0025 %/bit gain, 0% offset
J1939 Params	J1939 ADEC Day Tank Fill Percent	11088	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
J1939 Params	J1939 ADEC Storage Tank Fill Percent	11090	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
J1939 Params	J1939 ADEC Injection Quantity	11092	Uint32	4	R	mm2	1	<u>Data Range</u> 0 – 429496729.5 <u>Raw ECU Parameter Data</u> 0.1 mm2/bit gain, 0 mm2 offset

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 ADEC Engine Power Reserve	11094	Uint32	4	R	Percent	1	Data Range 0 – 4294967.295 Raw ECU Parameter Data 0.001 %/bit gain, 0% offset
J1939 Params	J1939 ADEC Cylinder Cutout Code	11096	Uint32	4	R	n/a	1	Raw ECU Parameter Data 0 – 4294967295 Proprietary: Consult engine manufacturer
J1939 Params	J1939 ADEC Start Sequence Bit Field	11098	Uint32	4	R	n/a	1	Raw ECU Parameter Data 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
J1939 Params	J1939 ADEC P Lube Oil Limit LO	11100	Uint32	4	R	mbar	1	Data Range 0 – 42949672.95 mbar Raw ECU Parameter Data 0.01 mbar/bit gain, 0 mbar offset
J1939 Params	J1939 ADEC P Lube Oil Limit LO LO	11102	Uint32	4	R	mbar	1	Data Range 0 – 42949672.95 mbar Raw ECU Parameter Data 0.01 mbar/bit gain, 0 mbar offset
J1939 Params	J1939 ADEC P Charge Air Pressure	11104	Uint32	4	R	mbar	1	Data Range 0 – 42949672.95 mbar Raw ECU Parameter Data 0.01 mbar/bit gain, 0 mbar offset
J1939 Params	J1939 ADEC AL Power Amp 1 Fail Bit Fld	11106	Uint32	4	R	n/a	1	Raw ECU Parameter Data 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
J1939 Params	J1939 ADEC AL Power Amp 2 Fail Bit Fld	11108	Uint32	4	R	n/a	1	Raw ECU Parameter Data 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
J1939 Params	J1939 ADEC AL Transistor Out Bit Fld	11110	Uint32	4	R	n/a	1	Raw ECU Parameter Data 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
J1939 Params	J1939 ADEC Camshaft rpm	11112	Uint32	4	R	rpm	1	Data Range 0 – 429496729.5 rpm Raw ECU Parameter Data 0.1 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 ADEC Daily Fuel Consumption	11114	Uint32	4	R	cubic meters	1	Data Range 0 – 429496.7295 m3 Raw ECU Parameter Data 0.0001 m3/bit gain, 0 m3 offset
J1939 Params	J1939 ADEC Frequency Speed Demand	11116	Uint32	4	R	rpm	1	Data Range 0 – 429496729.5 rpm Raw ECU Parameter Data 0.1 rpm/bit gain, 0 rpm offset
J1939 Params	J1939 ADEC Average Trip Fuel Consumption	11118	Uint32	4	R	Liters/hour	1	Data Range 0 – 4294967.295 L/h Raw ECU Parameter Data 0.001 L/h per bit gain, 0 L/h offset
J1939 Params	J1939 ADEC Injection Quantity DBR Pct	11120	Uint32	4	R	Percent	1	Data Range 0 – 42949672.95 Raw ECU Parameter Data 0.01 %/bit gain, 0% offset
J1939 Params	J1939 ADEC Actual Droop	11122	Uint32	4	R	Percent	1	Data Range 0 – 4294967.295 Raw ECU Parameter Data 0.001 %/bit gain, 0% offset
J1939 Params	J1939 ADEC Nodes On CAN Bus	11124	Uint32	4	R	n/a	1	Raw ECU Parameter Data 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
J1939 Params	J1939 ADEC Lost Nodes On CAN Bus	11126	Uint32	4	R	n/a	1	Raw ECU Parameter Data 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 ADEC Trip Operating Time	11128	Uint32	4	R	hours	1	Data Range 0 – 4294967.295 <u>Raw ECU Parameter Data</u> No gain or offset
J1939 Params	J1939 ADEC Transistor Out Bit Fld	11130	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
J1939 Params	J1939 ADEC L1 L ECU Power Supply Volts	11132	Uint32	4	R	Volts	1	Data Range 0 – 4294967.295 V <u>Raw ECU Parameter Data</u> 0.001 V/bit gain, 0 V offset
J1939 Params	J1939 ADEC L2 L ECU Power Supply Volts	11134	Uint32	4	R	Volts	1	Data Range 0 – 4294967.295 V <u>Raw ECU Parameter Data</u> 0.001 V/bit gain, 0 V offset
J1939 Params	J1939 ADEC U1 L ECU Power Supply Volts	11136	Uint32	4	R	Volts	1	Data Range 0 – 4294967.295 V <u>Raw ECU Parameter Data</u> 0.001 V/bit gain, 0 V offset
J1939 Params	J1939 ADEC U2 L ECU Power Supply Volts	11138	Uint32	4	R	Volts	1	Data Range 0 – 4294967295 s <u>Raw ECU Parameter Data</u> 0.001 V/bit gain, 0 V offset
J1939 Params	J1939 ADEC Trip Idle Time	11140	Uint32	4	R	Seconds	1	Data Range 0 – 4294967295 V <u>Raw ECU Parameter Data</u> No gain or offset
J1939 Params	J1939 ADEC T Coolant Limit Hi	11142	Uint32	4	R	Degrees	1	Data Range 0 – 42949672.95 °C <u>Raw ECU Parameter Data</u> 0.01 °C/bit gain, 0 °C offset
J1939 Params	J1939 ADEC T Coolant Limit Hi Hi	11144	Uint32	4	R	Degrees	1	Data Range 0 – 42949672.95 °C <u>Raw ECU Parameter Data</u> 0.01 °C/bit gain, 0 °C offset
J1939 Params	J1939 ADEC T Charge Air Limit Hi	11146	Uint32	4	R	Degrees	1	Data Range 0 – 42949672.95 °C <u>Raw ECU Parameter Data</u> 0.01 °C/bit gain, 0 °C offset
J1939 Params	J1939 ADEC T Intercooler Limit Hi	11148	Uint32	4	R	Degrees	1	Data Range 0 – 42949672.95 °C <u>Raw ECU Parameter Data</u> 0.01 °C/bit gain, 0 °C offset
J1939 Params	J1939 <i>mtu</i> SPS Node Byte	11150	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
J1939 Params	J1939 <i>mtu</i> Sw Typ Byte	11152	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
J1939 Params	J1939 <i>mtu</i> Sw Var Byte	11154	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
J1939 Params	J1939 <i>mtu</i> Sw Ed 1 Byte	11156	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
J1939 Params	J1939 <i>mtu</i> Sw Ed 2 Byte	11158	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
J1939 Params	J1939 <i>mtu</i> Rev Byte	11160	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
J1939 Params	J1939 <i>mtu</i> Sw Mod Byte	11162	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
J1939 Params	J1939 DPF Lamp	11164	Uint32	4	R	n/a	1	0 – Off 1 – On Solid 4 – On – Fast Blink (1 Hz) Others Reserved

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 High Exhaust Temp Lamp	11166	Uint32	4	R	n/a	1	0 – Off 1 – On Solid Others Reserved
J1939 Params	J1939 DPF Regeneration Inhibited By Switch	11168	Uint32	4	R	n/a	1	0 – Off 1 – On
J1939 Params	J1939 Trip Average Fuel Rate	11170	Uint32	4	R	Liters per hour	1	<u>Data Range</u> 0 - 3,212.75 L/h <u>Raw ECU Parameter Data</u> 0.05 L/h per bit gain, 0 offset
J1939 Params	J1939 Intake Manifold One Absolute Pressure	11172	Uint32	4	R	kPa	1	<u>Data Range</u> 0 – 500 kPa <u>Raw ECU Parameter Data</u> 2 kPa per bit gain, 0 offset
J1939 Params	J1939 Intercooler Coolant Level	11174	Uint32	4	R	Percent	1	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
J1939 Params	J1939 Engine Coolant Preheated State	11176	Uint32	4	R	n/a	1	0 - false 1 - true
J1939 Params	J1939 Engine Desired Operating Speed	11178	Uint32	4	R	rpm	1	<u>Data Range</u> 0 – 8031,875 rpm <u>Raw ECU Parameter Data</u> 1/8 rpm per bit gain, 0 offset
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Requested Absolute Torque	11180	Uint32	4	R	Nm	1	<u>Data Range</u> -32000 – 32000 Nm <u>Raw ECU Parameter Data</u> 1 Nm/bit gain, -32000 offset
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Actual Droop	11182	Uint32	4	R	percent	1	<u>Data Range</u> 0 to 100% <u>Raw ECU Parameter Data</u> 0.4%/bit gain, 0 offset
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Status Of Start Procedure	11184	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Eng Oper Mode	11186	Uint32	4	R	n/a	1	0 – Operating Mode 1 1 – Operating Mode 2 Consult manufacturer for details of each operating mode.
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Speed Demand Feedback	11188	Uint32	4	R	n/a	1	<u>Data Range</u> 0 – 8031,875 rpm <u>Raw ECU Parameter Data</u> 1/8 rpm per bit gain, 0 offset
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Speed Demand Source	11190	Uint32	4	R	n/a	1	0 – CAN demand 1 – Up/Dn ECU 2 – CAN Up/Down 3 – ECU Speed Demand Input 4 – Reserved 5 – ECU Speed Demand Frequency Input
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Can Speed Demand Feedback	11192	Uint32	4	R	n/a	1	<u>Data Range</u> 0 – 8031,875 rpm <u>Raw ECU Parameter Data</u> 1/8 rpm per bit gain, 0 offset
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Analog Speed Demand Feedback	11194	Uint32	4	R	n/a	1	<u>Data Range</u> 0 – 8031,875 rpm <u>Raw ECU Parameter Data</u> 1/8 rpm per bit gain, 0 offset
J1939 Params	J1939 <i>mtu</i> ECU 8 SMC Can Mode Feedback Status Bit	11196	Uint32	4	R	n/a	1	0 – Operating Mode 1 1 – Operating Mode 2 Consult manufacturer for details of each operating mode.
J1939 Params	J1939 DEF Tank 1 Level Percent	11198	Uint32	4	R	percent	1	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4%/bit gain, 0 offset
J1939 Params	J1939 DEF Tank 2 Level Percent	11200	Uint32	4	R	percent	1	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4%/bit gain, 0 offset

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 Engine Wait To Start Lamp	11202	Uint32	4	R	n/a	1	0 – Lamp Off 1 – Lamp On 2 – Error 3 – Not Available
J1939 Params	J1939 DEF Severity Level	11204	Uint32	4	R	n/a	1	0 – No Warning 1 – Low DEF Level – Lamp on Solid 4 – DEF Low Severe – DEF Lamp Blinking at 1Hz rate Other values are Reserved for SAE Assignment
J1939 Params	J1939 DEF Inducement Level	11206	Uint32	4	R	n/a	1	0 – No Inducement 1 – DEF Warning 2 – DEF Warning Level 2 3 – Inducement 4 – Pre-Severe Inducement 5 – Severe Inducement 6 – Temporary Override of Inducement
J1939 Params	J1939 Field Voltage	11208	Uint32	4	R	volts	1	<u>Data Range</u> -1606.00 – 1606.75 V <u>Raw ECU Parameter Data</u> 0.05 V/bit gain, -1606.00V offset
J1939 Params	J1939 Field Current	11210	Uint32	4	R	amps	1	<u>Data Range</u> 0 – 3212.75 A <u>Raw ECU Parameter Data</u> 0.05 A/bit gain, 0 offset
J1939 Params	J1939 DPF Filter Status	11212	Uint32	4	R	n/a	1	0 – No Regeneration Needed 1 – Regeneration Needed – lowest Level 2 – Regeneration Needed – Moderate Level 3 – Regeneration Needed – Highest Level 4-6 Reserved 7 – Not Available
ECU Metering	CAN Bus Results Register	11214	Uint32	4	R	n/a	1	Bit 0 – Can Comms Fail Bit 1 – Active DTC Clear Fail Bit 2 – Previous DTC Clear Fail Bit 4 – 31 Disregard
ECU Metering	CAN Communications Diagnostics	11216	Uint32	4	R	n/a	1	Bit 0 – Can ECU Offline Bit 1 – Active DTC Clear Fail Bit 2 – Previously Active DTC Clear Fail Bit 3 – Disregard Bit 4 – Ecu Comms Failed Bits 5 – 31 Disregard
ECU Metering	J1939 ECU Protect Lamp Status Data	11218	Uint32	4	R	n/a	n/a	Off=0 On=1 Slow Flash=2 Fast Flash=3
ECU Metering	J1939 ECU Warning Lamp Status Data	11220	Uint32	4	R	n/a	n/a	Off=0 On=1 Slow Flash=2 Fast Flash=3
ECU Metering	J1939 ECU Red Stop Lamp Status Data	11222	Uint32	4	R	n/a	n/a	Off=0 On=1 Slow Flash=2 Fast Flash=3
ECU Metering	J1939 ECU Malfunction Status Data	11224	Uint32	4	R	n/a	n/a	Off=0 On=1 Slow Flash=2 Fast Flash=3
ECU Metering	Active DTC1	11226	Uint32	4	R	n/a	1	Suppose the 32 bits of DTC Data is in Register N and N+1. SPN = (Register N: Most Significant 3 bits * 65536) + (Register N+1: LS Byte * 256) + (Register N+1: MS Byte) FMI = Register N: Bits 8-12 Occurrence Count =
ECU Metering	Active DTC2	11228	Uint32	4	R	n/a	1	
ECU Metering	Active DTC3	11230	Uint32	4	R	n/a	1	
ECU Metering	Active DTC4	11232	Uint32	4	R	n/a	1	
ECU Metering	Active DTC5	11234	Uint32	4	R	n/a	1	
ECU Metering	Active DTC6	11236	Uint32	4	R	n/a	1	
ECU Metering	Active DTC7	11238	Uint32	4	R	n/a	1	
ECU Metering	Active DTC8	11240	Uint32	4	R	n/a	1	
ECU Metering	Active DTC9	11242	Uint32	4	R	n/a	1	
ECU Metering	Active DTC10	11244	Uint32	4	R	n/a	1	
ECU Metering	Active DTC11	11246	Uint32	4	R	n/a	1	
ECU Metering	Active DTC12	11248	Uint32	4	R	n/a	1	

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
ECU Metering	Active DTC13	11250	Uint32	4	R	n/a	1	Register N: Bits 0 through 6
ECU Metering	Active DTC14	11252	Uint32	4	R	n/a	1	
ECU Metering	Active DTC15	11254	Uint32	4	R	n/a	1	
ECU Metering	Active DTC16	11256	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC1	11258	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC2	11260	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC3	11262	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC4	11264	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC5	11266	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC6	11268	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC7	11270	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC8	11272	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC9	11274	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC10	11276	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC11	11278	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC12	11280	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC13	11282	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC14	11284	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC15	11286	Uint32	4	R	n/a	1	
ECU Metering	Previously Active DTC16	11288	Uint32	4	R	n/a	1	
ECU Metering	MDEC Alarms	11290	Uint32	4	R	n/a	1	b0 = High Charge Air Temp, b1 = High Oil Temp, b2 = High Coolant Temp, b3 = Low Aftercooler Level, b4 = Low Fuel Delivery Press, b5 = Low Oil Press, b6 = Overspeed, b7 = Combined Red, b8-b31 Unassigned
ECU Metering	MDEC Prealarms	11292	Uint32	4	R	n/a	1	b0 = High ECU Temp, b1 = High Oil Temp, b2 = High Intercooler Temp, b3 = High Charge Air Temp, b4 = High Coolant Temp, b5 = Shutdown Override, b6 = High Fuel Rail Press, b7 = Low Fuel Rail Press, b8 = Low Coolant Level, b9 = Low Charge Air Pressure, b10 = Low Fuel Deliv Pressure, b11 = Low Oil Pressure, b12 = Combined Yellow, b13-b31 Unassigned
ECU Metering	Active DTC Count	11294	Uint32	4	R	n/a	1	0 - 16
ECU Metering	Prev DTC Count	11296	Uint32	4	R	n/a	1	0 - 16
ECU Metering	MDEC Faults Count	11298	Uint32	4	R	n/a	1	0 - 20
Gen Voltage Meter Mag 1	Average Line-Neutral Voltage	11300	Float	4	R	Volt	1	0 - 2000000000
Gen Voltage Meter Pri1	Average Line-Neutral Voltage	11302	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Mag	Average Line-Neutral Voltage	11304	Float	4	R	Volt	1	0 - 2000000000
Bus 1 Voltage Meter Pri	Average Line-Neutral Voltage	11306	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Mag	Average Line-Neutral Voltage	11308	Float	4	R	Volt	1	0 - 2000000000
Bus 2 Voltage Meter Pri	Average Line-Neutral Voltage	11310	Float	4	R	Volt	1	0 - 2000000000
J1939 Params	j1939 Scania Urea Lvl	11312	Uint32	4	R	n/a	1	<u>Data Range</u> 0 to 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
J1939 Params	j1939 Scania Urea Lvl Inducement State	11314	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Urea Level OK 1- Low Urea Level 2- Fill Up Urea 3- Urea Tank Empty

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	j1939 Scania Urea OBD Inducement State	11316	Uint32	4	R	n/a	1	Raw ECU Parameter Data 0- No Inducement 1- Active Torque Limit Due to Urea Level 2- Active Speed Limit Due to Urea Level 3- Active Torque Limit Due to SCR Failure 4- Active Speed Limit Due to SCR Failure
J1939 Params	j1939 DPF Outlet Gas Temp	11318	Uint32	4	R	n/a	1	Data Range -273 to +1735.0 °C (-459.4 to +155.0 °F) Raw ECU Parameter Data 0.03125 °C/bit gain, -273 °C offset
Independent Meter 1	SystemTotalSequencingReserve	11320	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Gen seq Unit ID	11322	Reg32	4	R	n/a	n/a	n/a
Independent Meter 1	Gen seq Next To Start Unit ID	11324	Reg32	4	R	n/a	n/a	n/a
Independent Meter 1	Gen seq Next To Stop Unit ID	11326	Reg32	4	R	n/a	n/a	n/a
Independent Meter 1	Gen seq Network Manager Unit ID	11328	Reg32	4	R	n/a	n/a	n/a
Independent Meter 1	GEN SEQ ACTIVE SEG NETWORK NUM UNITS	11330	Uint32	4	R	n/a	1	0 - 4294967295
Independent Meter 1	Mains Breaker Control kW Measured	11332	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Mains Breaker Control Error	11334	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Mains Breaker Control Baseload	11336	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Mains Breaker Control Sys Gen kW	11338	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Mains Breaker Control Sys Rated kW	11340	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Kw Load Percent	11342	Float	4	R	Percent	n/a	n/a
Independent Meter 1	System Total kW Capacity	11344	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Sys Gen kW Percent	11346	Float	4	R	Percent	n/a	n/a
Independent Meter 1	DPF Outlet Gas Temp	11348	Float	4	R	Deg F	n/a	n/a
Independent Meter 1	System Group Bus Freq	11350	Float	4	R	Hertz	0.001	10 - 180
Independent Meter 1	System Group Bus Vavg LL	11352	Float	4	R	Volt LL	1	0 - 2000000000
Independent Meter 1	System Group Bus Iavg	11354	Float	4	R	Amp	0.001	0 - 2000000000
Independent Meter 1	System Group Bus Total Watt Pri	11356	Float	4	R	Watt	0.01	n/a
Independent Meter 1	System Group Bus Total Var Pri	11358	Float	4	R	Var	0.01	n/a
Independent Meter 1	System Group Bus Total PF	11360	Float	4	R	Power Factor	0.01	n/a
Independent Meter 1	System Load Bus Freq	11362	Float	4	R	Hertz	0.001	10 - 180
Independent Meter 1	System Load Bus Vavg LL	11364	Float	4	R	Volt LL	1	0 - 2000000000
Independent Meter 1	System Load Bus Iavg	11366	Float	4	R	Amp	0.001	0 - 2000000000
Independent Meter 1	System Load Bus Total Watt Pri	11368	Float	4	R	Watt	0.01	n/a
Independent Meter 1	System Load Bus Total Var Pri	11370	Float	4	R	Var	0.01	n/a
Independent Meter 1	System Load Bus Total PF	11372	Float	4	R	Power Factor	0.01	n/a
Independent Meter 1	System Mains Bus Freq	11374	Float	4	R	Hertz	0.001	10 - 180
Independent Meter 1	System Mains Bus Iavg	11376	Float	4	R	Amp	0.001	0 - 2000000000
Independent Meter 1	System Mains Bus Total Watt Pri	11378	Float	4	R	Watt	0.01	n/a
Independent Meter 1	System Mains Bus Total Var Pri	11380	Float	4	R	Var	0.01	n/a
Independent Meter 1	System Mains Bus Total PF	11382	Float	4	R	Power Factor	0.01	n/a
Independent Meter 1	Mains Breaker Control Sys Total kW	11384	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 1 kW	11386	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 1 kvar	11388	Float	4	R	Kilovar	0.01	n/a
Independent Meter 1	Breaker Power Sum 2 kW	11390	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 2 kvar	11392	Float	4	R	Kilovar	0.01	n/a
Independent Meter 1	Breaker Power Sum 3 kW	11394	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 3 kvar	11396	Float	4	R	Kilovar	0.01	n/a
Independent Meter 1	Breaker Power Sum 4 kW	11398	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 4 kvar	11400	Float	4	R	Kilovar	0.01	n/a
Independent Meter 1	Breaker Power Sum 5 kW	11402	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 5 kvar	11404	Float	4	R	Kilovar	0.01	n/a
Independent Meter 1	Breaker Power Sum 6 kW	11406	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 6 kvar	11408	Float	4	R	Kilovar	0.01	n/a
Independent Meter 1	Breaker Power Sum 7 kW	11410	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 7 kvar	11412	Float	4	R	Kilovar	0.01	n/a
Independent Meter 1	Breaker Power Sum 8 kW	11414	Float	4	R	Kilowatt	0.01	n/a
Independent Meter 1	Breaker Power Sum 8 kvar	11416	Float	4	R	Kilovar	0.01	n/a
Independent Meter 1	Active Block Load Level	11418	Float	4	R	Kilowatt	1	1 - 999999
Independent Meter 1	Load Shed Priority To Shed	11420	Int32	4	R	n/a	1	n/a
Independent Meter 1	Load Shed Time To Shed	11422	Float	4	R	Second	n/a	n/a
Independent Meter 1	Load Shed Time To Shed Fast	11424	Float	4	R	Second	n/a	n/a

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Independent Meter 1	Load Shed Priority To Add	11426	Int32	4	R	n/a	1	-4294967294
Independent Meter 1	Load Shed Time To Add	11428	Float	4	R	Second	n/a	n/a
Differential	Iop	11430	Float	4	R	Amp	0.01	0 - 100000
Differential	I _r	11432	Float	4	R	Amp	0.01	0 - 100000
87G	Circuit 1 Phase Comp	11434	UInt32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 1 Rotation Comp	11436	UInt32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 2 Phase Comp	11438	UInt32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 2 Rotation Comp	11440	UInt32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 4 Phase Comp	11442	UInt32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 4 Rotation Comp	11444	UInt32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 1 Phase Comp	11446	UInt32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 1 Rotation Comp	11448	UInt32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 2 Phase Comp	11450	UInt32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 2 Rotation Comp	11452	UInt32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 4 Phase Comp	11454	UInt32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 4 Rotation Comp	11456	UInt32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 1 Phase Comp	11458	UInt32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 1 Rotation Comp	11460	UInt32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 2 Phase Comp	11462	UInt32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
87G	Circuit 2 Rotation Comp	11464	Uint32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 4 Phase Comp	11466	Uint32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 4 Rotation Comp	11468	Uint32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 1 Phase Comp	11470	Uint32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 1 Rotation Comp	11472	Uint32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 2 Phase Comp	11474	Uint32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 2 Rotation Comp	11476	Uint32	4	R	n/a	n/a	NA=0 R1=1 R2=2
87G	Circuit 4 Phase Comp	11478	Uint32	4	R	n/a	n/a	NA=0 Wye=1 DAB=2 DAC=3 ZAB=4 ZAC=5 DDAB=6
87G	Circuit 4 Rotation Comp	11480	Uint32	4	R	n/a	n/a	NA=0 R1=1 R2=2
Phase Differential	lop A	11482	Float	4	R	X Tap	0.01	0 - 100000
Phase Differential	Ir A	11484	Float	4	R	X Tap	0.01	0 - 100000
Phase Differential	lop B	11486	Float	4	R	X Tap	0.01	0 - 100000
Phase Differential	Ir B	11488	Float	4	R	X Tap	0.01	0 - 100000
Phase Differential	lop C	11490	Float	4	R	X Tap	0.01	0 - 100000
Phase Differential	Ir C	11492	Float	4	R	X Tap	0.01	0 - 100000
Phase Differential	lop 2nd A	11494	Float	4	R	Percent	1	0 - 1000
Phase Differential	lop 2nd B	11496	Float	4	R	Percent	1	0 - 1000
Phase Differential	lop 2nd C	11498	Float	4	R	Percent	1	0 - 1000
Phase Differential	lop 5th A	11500	Float	4	R	Percent	1	0 - 1000
Phase Differential	lop 5th B	11502	Float	4	R	Percent	1	0 - 1000
Phase Differential	lop 5th C	11504	Float	4	R	Percent	1	0 - 1000
J1939 Parameters	J1939 Volvo DEF Inducement Reason	11506	Uint32	4	R	n/a	1	0 - OK 1 - Reagent Level Low 2 - Incorrect Quality 3 - Incorrect Consumption 4 - Tampering 5 - Not Used 6 - Error 7 - Not Available
J1939 Parameters	J1939 Volvo DEF Inducement Level	11508	Uint32	4	R	n/a	1	0 - No Inducement 1 - Inducement Waring 2 - Not Used 3 - Derate Active 4 - Pre-Severe Derate Warning 5 - Severe Derate 6 - Temporary Override of Derate 7 - Not Available
ECU Metering	Engine ECU Address	11510	Uint32	4	R	n/a	1	0 - 4294967295
Independent Meter 1	Load Anticipation Washout Output	11512	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Load Anticipation LeadLag Output	11514	Float	4	R	n/a	n/a	n/a
Independent Meter 1	Load Anticipation Output	11516	Float	4	R	n/a	n/a	n/a
Analog Input Meter 1	Raw	11518	Float	4	R	Volt	n/a	n/a
Analog Input Meter 1	Scaled	11520	Float	4	R	n/a	n/a	n/a
Analog Input Meter 2	Raw	11522	Float	4	R	Volt	n/a	n/a

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Analog Input Meter 2	Scaled	11524	Float	4	R	n/a	n/a	n/a
Analog Input Meter 3	Raw	11526	Float	4	R	Volt	n/a	n/a
Analog Input Meter 3	Scaled	11528	Float	4	R	n/a	n/a	n/a
Analog Input Meter 4	Raw	11530	Float	4	R	Volt	n/a	n/a
Analog Input Meter 4	Scaled	11532	Float	4	R	n/a	n/a	n/a
Analog Input Meter 5	Raw	11534	Float	4	R	Volt	n/a	n/a
Analog Input Meter 5	Scaled	11536	Float	4	R	n/a	n/a	n/a
Configurable Protection 1	Math Result	11538	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 2	Math Result	11540	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 3	Math Result	11542	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 4	Math Result	11544	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 5	Math Result	11546	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 6	Math Result	11548	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 7	Math Result	11550	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 8	Math Result	11552	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 9	Math Result	11554	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 10	Math Result	11556	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 11	Math Result	11558	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 12	Math Result	11560	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 13	Math Result	11562	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 14	Math Result	11564	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 15	Math Result	11566	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 16	Math Result	11568	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 17	Math Result	11570	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 18	Math Result	11572	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 19	Math Result	11574	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 20	Math Result	11576	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 21	Math Result	11578	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 22	Math Result	11580	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 23	Math Result	11582	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 24	Math Result	11584	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 25	Math Result	11586	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 26	Math Result	11588	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 27	Math Result	11590	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 28	Math Result	11592	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 29	Math Result	11594	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 30	Math Result	11596	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 31	Math Result	11598	Float	4	R	n/a	0.01	-999999 - 999999
Configurable Protection 32	Math Result	11600	Float	4	R	n/a	0.01	-999999 - 999999
Independent Meter 1	Field Voltage	11602	Float	4	R	Volt	0.001	-1000 - 1000
Independent Meter 1	Field Current	11604	Float	4	R	Amp	0.001	-1000 - 1000
Independent Meter 1	VRM EDM Ripple	11606	Float	4	R	Amp	0.001	-1000 - 1000
Independent Meter 1	VRM Control Output	11608	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM Tracking Error	11610	Float	4	R	Percent	n/a	n/a
Independent Meter 1	VRM AVR Active Setpoint	11612	Float	4	R	Volt	0.1	1 - 999999
Independent Meter 1	VRM FCR Active Setpoint	11614	Float	4	R	Amp	0.01	0 - 3.5

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Independent Meter 1	VRM AVR Error	11616	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM FCR Error	11618	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM OEL Reference	11620	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM OEL Takeover Error	11622	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM OEL Summing Error	11624	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM OEL Summing Output	11626	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM UEL Reference	11628	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM UEL Error	11630	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM UEL Output	11632	Float	4	R	n/a	n/a	n/a
Independent Meter 1	VRM AVR Final Reference	11634	Float	4	R	Volt	0.1	1 - 999999
Independent Meter 1	VRM FCR Final Reference	11636	Float	4	R	Amp	0.01	0 - 3.5
Independent Meter 1	Active Islanded Baseload Level	11638	Float	4	R	Percent	0.1	0 - 100
Independent Meter 1	Active Voltage Trim Setpoint	11640	Float	4	R	Volt	0.1	1 - 999999
Independent Meter 1	Active Speed Trim Setpoint	11642	Float	4	R	Hertz	0.01	47 - 100
Independent Meter 1	Oil Pressure, Raw	11644	Float	4	R	PSI	n/a	n/a
VRM 1 Metering	RTD Input 1 Raw Value	11646	Float	4	R	Ohm	n/a	n/a
VRM 1 Metering	RTD Input 2 Raw Value	11648	Float	4	R	Ohm	n/a	n/a
VRM 1 Metering	RTD Input 3 Raw Value	11650	Float	4	R	Ohm	n/a	n/a
VRM 1 Metering	RTD Input 4 Raw Value	11652	Float	4	R	Ohm	n/a	n/a
VRM 1 Metering	RTD Input 5 Raw Value	11654	Float	4	R	Ohm	n/a	n/a
VRM 1 Metering	RTD Input 6 Raw Value	11656	Float	4	R	Ohm	n/a	n/a
VRM 1 Metering	RTD Input 7 Raw Value	11658	Float	4	R	Ohm	n/a	n/a
VRM 1 Metering	RTD Input 8 Raw Value	11660	Float	4	R	Ohm	n/a	n/a
VRM 1 Metering	RTD Input 1 Scaled Value	11662	Float	4	R	Deg F	n/a	n/a
VRM 1 Metering	RTD Input 2 Scaled Value	11664	Float	4	R	Deg F	n/a	n/a
VRM 1 Metering	RTD Input 3 Scaled Value	11666	Float	4	R	Deg F	n/a	n/a
VRM 1 Metering	RTD Input 4 Scaled Value	11668	Float	4	R	Deg F	n/a	n/a
VRM 1 Metering	RTD Input 5 Scaled Value	11670	Float	4	R	Deg F	n/a	n/a
VRM 1 Metering	RTD Input 6 Scaled Value	11672	Float	4	R	Deg F	n/a	n/a
VRM 1 Metering	RTD Input 7 Scaled Value	11674	Float	4	R	Deg F	n/a	n/a
VRM 1 Metering	RTD Input 8 Scaled Value	11676	Float	4	R	Deg F	n/a	n/a
Baseload Level	Active Setpoint	11678	Float	4	R W	Percent	0.1	0 - 100
Island Baseload Level	Active Setpoint	11680	Float	4	R W	Percent	0.1	0 - 100
Kvar Setpoint	Active Setpoint	11682	Float	4	R W	Percent	0.1	0 - 100
PF Setpoint	Active Setpoint	11684	Float	4	R W	Percent	0.1	0 - 100
J1939 Params	Isuzu Urea Level Tank 1	11686	Uint32	4	R	Percent	1	<u>Data Range</u> 0 to 102% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
J1939 Params	Isuzu Inducement Level	11688	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Normal Operation 1- Warning 2- Early Inducement 3- (Not Defined) 4- Final Inducement
J1939 Params	Isuzu Refill DEF Lamp	11690	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Lamp Off 1- Lamp On
J1939 Params	Isuzu Exhaust System Lamp	11692	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Lamp Off 1- Lamp On
J1939 Params	Isuzu No Power Lamp	11694	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Lamp Off 1- Lamp On
J1939 Params	Isuzu Escape Mode Lamp	11696	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Lamp Off 1- Lamp On
J1939 Params	Isuzu Amber Lamp Status	11698	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Lamp Off 1- Lamp On 2- Slow Flash 3- Fast Flash
J1939 Params	Isuzu Green Lamp Status	11700	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Lamp Off 1- Lamp On
J1939 Params	Isuzu DPF Mode	11702	Uint32	4	R	n/a	1	<u>Data Range</u> 0 to 999 <u>Raw ECU Parameter Data</u> No gain or Offset
J1939 Params	Battery Charger 1 Voltage	11704	Uint32	4	R	Volts	1	<u>Data Range:</u> 0 to 3212.75 V <u>Raw ECU Parameter Data</u> 0.05 V/bit Gain, 0.00 Offset

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	Battery Charger 1 Current	11706	Uint32	4	R	Amps	1	<u>Data Range:</u> -1600.0 to + 1612.75 A <u>Raw ECU Parameter Data</u> 0.05 V/bit Gain, 1600.00 Offset
J1939 Params	Battery Charger 1 State	11708	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Idle (Output Off) 1- Charging (Boost) 2- Charging (Float) 3- 12 Reserved 14- Charger Failure 15- No Status Available
J1939 Params	Battery Charger 1 AC Power Line State	11710	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Fail 1- Ok 2- Internal Error 3- No Status Available
J1939 Params	Battery Charger 1 Voltage	11712	Uint32	4	R	Volts	1	<u>Data Range</u> 0 to 3212.75 V <u>Raw ECU Parameter Data</u> 0.05 V/bit Gain, 0.00 Offset
J1939 Params	Battery Charger 1 Current	11714	Uint32	4	R	Amps	1	<u>Data Range</u> -1600.0 to +1612.75 A <u>Raw ECU Parameter Data</u> 0.05 V/bit Gain, 1600.00 Offset
J1939 Params	Battery Charger 1 State	11716	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Idle (Output Off) 1- Charging (Boost) 2- Charging (Float) 3- 12 Reserved 14- Charger Failure 15- No Status Available
J1939 Params	Battery Charger 1 AC Power Line State	11718	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Fail 1- Ok 2- Internal Error 3- No Status Available
J1939 Params	Battery 1 Temperature	11720	Uint32	4	R	Degrees C	1	<u>Data Range</u> -40 to 210 degC <u>Raw ECU Parameter Data</u> 1.0 degC/bit Gain, 40.0 Offset
J1939 Params	Battery 2 Temperature	11722	Uint32	4	R	Degrees C	1	<u>Data Range:</u> -40 to 210 degC <u>Raw ECU Parameter Data</u> 1.0 degC/bit Gain, 40.0 Offset
J1939 Params	Reserved	11724-35						
J1939 Params	Crank Case Pressure	11736	Uint32	4	R	kpa	1	<u>Data Range</u> -250 to +251.99 kPa <u>Raw ECU Parameter Data</u> 0.0078125 kPa/bit gain, -250 kPa offset
J1939 Params	Fuel Filter Differential Pressure	11738	Uint32	4	R	kpa	1	<u>Data Range</u> 0 to 125 kPa <u>Raw ECU Parameter Data</u> 0.5 kPa/bit gain, 0 offset
J1939 Params	Oil Filter Differential Pressure	11740	Uint32	4	R	kpa	1	<u>Data Range</u> -250 to +251.99 kPa <u>Raw ECU Parameter Data</u> 0.0078125 kPa/bit gain, -250 kPa offset
J1939 Params	Engine Hours from Engine Hours Revolutions PGN	11742	Uint32	4	R	Hours	1	<u>Data Range</u> 0 to 210,554,060.75 hr <u>Raw ECU Parameter Data</u> 0.05 hr/bit Gain, 0.0 Offset
J1939 Params	Engine Hours from ECU History PGN	11744	Uint32	4	R	Hours	1	<u>Data Range</u> 0 to 210,554,060.75 hr <u>Raw ECU Parameter Data</u> 0.05 hr/bit Gain, 0.0 Offset
J1939 Params	Daimler Torque Limit Lamp	11746	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0- Off 1- On 2- Slow Blinking (1Hz) 3- Fast Blinking (2Hz)

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Independent Meter 1	Battery Charger 1 State	11748	Float	4	R	n/a	1	0- Idle (Output Off) 1- Charging (Boost) 2- Charging (Float) 3- 12 Reserved 14- Charger Failure
Independent Meter 1	Battery Charger 1 AC State	11750	Float	4	R	n/a	1	0- Fail 1- Ok 2- Internal Error
Independent Meter 1	Battery Charger 2 State	11752	Float	4	R	n/a	1	0- Idle (Output Off) 1- Charging (Boost) 2- Charging (Float) 3- 12 Reserved 14- Charger Failure
Independent Meter 1	Battery Charger 2 AC State	11754	Float	4	R	n/a	1	0- Fail 1- Ok 2- Internal Error
Independent Meter 1	Battery Charger 1 Voltage	11756	Float	4	R	Volt	1	0 - 3212.75
Independent Meter 1	Battery Charger 1 Current	11758	Float	4	R	Amp	1	-1600 - 1612.75
Independent Meter 1	Battery Charger 1 Temperature	11760	Float	4	R	Degrees C	1	-40 - 210
Independent Meter 1	Battery Charger 2 Voltage	11762	Float	4	R	Volt	1	0 - 3212.75
Independent Meter 1	Battery Charger 2 Current	11764	Float	4	R	Amp	1	-1600 - 1612.75
Independent Meter 1	Battery Charger 2 Temperature	11766	Float	4	R	Degrees C	1	-40 - 210
Independent Meter 1	Oil Pressure Sender Ohms	11768	Float	4	R	Ohm	1	0 - 10000
Independent Meter 1	Coolant Temperature Sender Ohms	11770	Float	4	R	Ohm	1	0 - 10000
Independent Meter 1	Fuel Level Sender Ohms	11772	Float	4	R	Ohm	1	0 - 10000
J1939 Params	DPF Soot Load Percent	11774	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 1 %/bit gain 0 offset 0-250%
J1939 Params	DPF Ash Load Percent	11776	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 1 %/bit gain 0 offset 0-250%
J1939 Params	DPF Regen Inhibit Due to Low Coolant Temp	11778	Uint32	4	R	n/a	1	0-1
J1939 Params	DPF Regen Inhibit Status	11780	Uint32	4	R	n/a	1	0 = not inhibited 1 = inhibited
J1939 Params	DPF Active Regen Status	11782	Uint32	4	R	n/a	1	0 = Not Active 1 = Active 2 = regeneration needed – automatically initiated active regeneration imminent 3 = not available
J1939 Params	DPF Regen Forced Status	11784	Uint32	4	R	n/a	1	0 = Off 1 = Active – Forced by Switch 2 = Active – Forced by Service Tool 3 = reserved for SAE assignment 4 = On – fast blink (1 HZ) 5 = reserved for SAE assignment 6 = reserved for SAE assignment 7 = not available
J1939 Params	ECU Amber Lamp from DLCC1 PGN	11786	Uint32	4	R	n/a	1	0 = Lamp Off 1 = Lamp On 2 = Reserved 3 = Not available
J1939 Params	ECU Red Stop Lamp from DLCC1 PGN	11788	Uint32	4	R	n/a	1	0 = Lamp Off 1 = Lamp On 2 = Reserved 3 = Not available
J1939 Params	OBD Malfunction Indicator Lamp from DLCC1 PGN	11790	Uint32	4	R	n/a	1	0 = Lamp Off 1 = Lamp On 2 = Reserved 3 = Not available

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	SCR Cleaning Lamp Command	11792	Uint32	4	R	n/a	1	0 = Off 1 = On – solid 2 = reserved for SAE assignment 3 = reserved for SAE assignment 4 = On – fast blink (1 HZ) 5 = reserved for SAE assignment 6 = reserved for SAE assignment 7 = not available
J1939 Params	SCR Cleaning Status	11794	Uint32	4	R	n/a	1	0 = Not Active 1 = Active 2 = SCR system cleaning is needed – automatically initiated SCR system cleaning imminent 3 = not available
J1939 Params	SCR Cleaning Inhibit Due to Switch	11796	Uint32	4	R	n/a	1	0 = not inhibited 1 = inhibited 2 = reserved for SAE assignment 3 = not available
J1939 Params	SCR Cleaning Forced Status	11798	Uint32	4	R	n/a	1	0 = Not Active 1 = Active – Forced by Switch (See SPN 3696) 2 = Active – Forced by Service Tool 3-6 = Reserved for SAE Assignment 7 = not available
J1939 Params	DOC Inlet Temperature	11800	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0.03125°C/bit 273°C offset -275 – 1735°C
J1939 Params	DOC Output Temperature	11802	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0.03125°C/bit 273°C offset -275 – 1735°C
J1939 Params	Throttle One Differential Pressure	11804	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0.1 kPa/bit 0 Offset 0 to 6,425.5 kPa
J1939 Params	Gaseous Fuel Supply Pressure	11806	Uint32	4	R	n/a	1	<u>Raw ECU Parameter Data</u> 0.5 kPa/bit 0 Offset 0 to 32,127.5 kPa
ECU Metering	Engine Hours Source	11808	Uint32	4	R	n/a	n/a	DGC=0 ECU=1
Independent Meter 1	Logic Timer 1 Hours	11810	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 1 Minutes	11812	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 1 Seconds	11814	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 2 Hours	11816	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 2 Minutes	11818	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 2 Seconds	11820	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 3 Hours	11822	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 3 Minutes	11824	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 3 Seconds	11826	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 4 Hours	11828	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 4 Minutes	11830	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 4 Seconds	11832	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 5 Hours	11834	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 5 Minutes	11836	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 5 Seconds	11838	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 6 Hours	11840	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 6 Minutes	11842	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 6 Seconds	11844	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 7 Hours	11846	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 7 Minutes	11848	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 7 Seconds	11850	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 8 Hours	11852	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 8 Minutes	11854	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 8 Seconds	11856	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 9 Hours	11858	Int32	4	R	n/a	1	0 - 250
Independent Meter 1	Logic Timer 9 Minutes	11860	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 9 Seconds	11862	Int32	4	R	n/a	1	0 - 59
Independent Meter 1	Logic Timer 10 Hours	11864	Int32	4	R	n/a	1	0 - 250

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Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Independent Meter 1	Logic Counter 9 Count	12018	Int32	4	R	n/a	1	0 - 1800
Independent Meter 1	Logic Counter 10 Count	12020	Int32	4	R	n/a	1	0 - 1800
Independent Meter 1	Logic Counter 11 Count	12022	Int32	4	R	n/a	1	0 - 1800
Independent Meter 1	Logic Counter 12 Count	12024	Int32	4	R	n/a	1	0 - 1800
Independent Meter 1	Logic Counter 13 Count	12026	Int32	4	R	n/a	1	0 - 1800
Independent Meter 1	Logic Counter 14 Count	12028	Int32	4	R	n/a	1	0 - 1800
Independent Meter 1	Logic Counter 15 Count	12030	Int32	4	R	n/a	1	0 - 1800
Independent Meter 1	Logic Counter 16 Count	12032	Int32	4	R	n/a	1	0 - 1800
Independent Meter 1	Logic Input Counter 1 Count	12034	Int32	4	R	n/a	1	0 - 32
Independent Meter 1	Logic Input Counter 2 Count	12036	Int32	4	R	n/a	1	0 - 32
Independent Meter 1	Logic Input Counter 3 Count	12038	Int32	4	R	n/a	1	0 - 32
Independent Meter 1	Logic Input Counter 4 Count	12040	Int32	4	R	n/a	1	0 - 32
Independent Meter 1	Logic Input Counter 5 Count	12042	Int32	4	R	n/a	1	0 - 32
Independent Meter 1	Logic Input Counter 6 Count	12044	Int32	4	R	n/a	1	0 - 32
Independent Meter 1	Logic Input Counter 7 Count	12046	Int32	4	R	n/a	1	0 - 32
Independent Meter 1	Logic Input Counter 8 Count	12048	Int32	4	R	n/a	1	0 - 32
Independent Meter 1	Volvo Accel Pedal	12050	Int32	4	R	n/a	1	0 - 100%
Independent Meter 1	Scaled Volvo Accel Pedal	12052	Int32	4	R	n/a	1	0 - 1023
Independent Meter 1	Requested RPM	12054	Int32	4	R	n/a	1	1 - 3600
Independent Meter 1	Engine Control Mode	12056	UInt32	4	R	n/a	n/a	Normal Shutdn=0 Rapid Shutdn=1 Emergency Shtdn=2 Normal Start =3 Rapid Start=4 None=15
Independent Meter 1	Volvo Frequency Select	12058	UInt32	4	R	n/a	n/a	Primary=0 Secondary=1
Independent Meter 1	Cummins Gain Select	12060	UInt32	4	R	n/a	n/a	Isoch=0 Utility=1
Independent Meter 1	Cummins Run Stop	12062	UInt32	4	R	n/a	n/a	Stop=0 Run=1
Independent Meter 1	Cummins Rated Speed Hz	12064	Int32	4	R	n/a	1	50 or 60
Independent Meter 1	Cummins Speed Bias	12066	Int32	4	R	n/a	1	Raw ECU Parameter Data 1/128% rpm/bit 120 offset 0-256
Independent Meter 1	Var Share Input	12068	Float	4	R	n/a	n/a	-1.0 – +1.0
Engine Source	Speed Sender Fail Activation Delay Timer Metering	12070	UInt32	4	R	Second	1	0 - 300
Engine Source	MPU Fail Activation Delay Timer Metering	12072	UInt32	4	R	Second	1	0 - 300
Config Protection 1	Arming Delay Timer Metering	12074	UInt32	4	R	Second	1	0 - 9999
Config Protection 1	Threshold 1 Activation Delay Timer Metering	12076	UInt32	4	R	Second	1	0 - 9999
Config Protection 1	Threshold 2 Activation Delay Timer Metering	12078	UInt32	4	R	Second	1	0 - 9999
Config Protection 1	Threshold 3 Activation Delay Timer Metering	12080	UInt32	4	R	Second	1	0 - 9999
Config Protection 1	Threshold 4 Activation Delay Timer Metering	12082	UInt32	4	R	Second	1	0 - 9999
Config Protection 2	Arming Delay Timer Metering	12084	UInt32	4	R	Second	1	0 - 9999
Config Protection 2	Threshold 1 Activation Delay Timer Metering	12086	UInt32	4	R	Second	1	0 - 9999
Config Protection 2	Threshold 2 Activation Delay Timer Metering	12088	UInt32	4	R	Second	1	0 - 9999
Config Protection 2	Threshold 3 Activation Delay Timer Metering	12090	UInt32	4	R	Second	1	0 - 9999
Config Protection 2	Threshold 4 Activation Delay Timer Metering	12092	UInt32	4	R	Second	1	0 - 9999
Config Protection 3	Arming Delay Timer Metering	12094	UInt32	4	R	Second	1	0 - 9999
Config Protection 3	Threshold 1 Activation Delay Timer Metering	12096	UInt32	4	R	Second	1	0 - 9999
Config Protection 3	Threshold 2 Activation Delay Timer Metering	12098	UInt32	4	R	Second	1	0 - 9999
Config Protection 3	Threshold 3 Activation Delay Timer Metering	12100	UInt32	4	R	Second	1	0 - 9999
Config Protection 3	Threshold 4 Activation Delay Timer Metering	12102	UInt32	4	R	Second	1	0 - 9999
Config Protection 4	Arming Delay Timer Metering	12104	UInt32	4	R	Second	1	0 - 9999
Config Protection 4	Threshold 1 Activation Delay Timer Metering	12106	UInt32	4	R	Second	1	0 - 9999
Config Protection 4	Threshold 2 Activation Delay Timer Metering	12108	UInt32	4	R	Second	1	0 - 9999
Config Protection 4	Threshold 3 Activation Delay Timer Metering	12110	UInt32	4	R	Second	1	0 - 9999
Config Protection 4	Threshold 4 Activation Delay Timer Metering	12112	UInt32	4	R	Second	1	0 - 9999
Config Protection 5	Arming Delay Timer Metering	12114	UInt32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 5	Threshold 1 Activation Delay Timer Metering	12116	Uint32	4	R	Second	1	0 - 9999
Config Protection 5	Threshold 2 Activation Delay Timer Metering	12118	Uint32	4	R	Second	1	0 - 9999
Config Protection 5	Threshold 3 Activation Delay Timer Metering	12120	Uint32	4	R	Second	1	0 - 9999
Config Protection 5	Threshold 4 Activation Delay Timer Metering	12122	Uint32	4	R	Second	1	0 - 9999
Config Protection 6	Arming Delay Timer Metering	12124	Uint32	4	R	Second	1	0 - 9999
Config Protection 6	Threshold 1 Activation Delay Timer Metering	12126	Uint32	4	R	Second	1	0 - 9999
Config Protection 6	Threshold 2 Activation Delay Timer Metering	12128	Uint32	4	R	Second	1	0 - 9999
Config Protection 6	Threshold 3 Activation Delay Timer Metering	12130	Uint32	4	R	Second	1	0 - 9999
Config Protection 6	Threshold 4 Activation Delay Timer Metering	12132	Uint32	4	R	Second	1	0 - 9999
Config Protection 7	Arming Delay Timer Metering	12134	Uint32	4	R	Second	1	0 - 9999
Config Protection 7	Threshold 1 Activation Delay Timer Metering	12136	Uint32	4	R	Second	1	0 - 9999
Config Protection 7	Threshold 2 Activation Delay Timer Metering	12138	Uint32	4	R	Second	1	0 - 9999
Config Protection 7	Threshold 3 Activation Delay Timer Metering	12140	Uint32	4	R	Second	1	0 - 9999
Config Protection 7	Threshold 4 Activation Delay Timer Metering	12142	Uint32	4	R	Second	1	0 - 9999
Config Protection 8	Arming Delay Timer Metering	12144	Uint32	4	R	Second	1	0 - 9999
Config Protection 8	Threshold 1 Activation Delay Timer Metering	12146	Uint32	4	R	Second	1	0 - 9999
Config Protection 8	Threshold 2 Activation Delay Timer Metering	12148	Uint32	4	R	Second	1	0 - 9999
Config Protection 8	Threshold 3 Activation Delay Timer Metering	12150	Uint32	4	R	Second	1	0 - 9999
Config Protection 8	Threshold 4 Activation Delay Timer Metering	12152	Uint32	4	R	Second	1	0 - 9999
Config Protection 9	Arming Delay Timer Metering	12154	Uint32	4	R	Second	1	0 - 9999
Config Protection 9	Threshold 1 Activation Delay Timer Metering	12156	Uint32	4	R	Second	1	0 - 9999
Config Protection 9	Threshold 2 Activation Delay Timer Metering	12158	Uint32	4	R	Second	1	0 - 9999
Config Protection 9	Threshold 3 Activation Delay Timer Metering	12160	Uint32	4	R	Second	1	0 - 9999
Config Protection 9	Threshold 4 Activation Delay Timer Metering	12162	Uint32	4	R	Second	1	0 - 9999
Config Protection 10	Arming Delay Timer Metering	12164	Uint32	4	R	Second	1	0 - 9999
Config Protection 10	Threshold 1 Activation Delay Timer Metering	12166	Uint32	4	R	Second	1	0 - 9999
Config Protection 10	Threshold 2 Activation Delay Timer Metering	12168	Uint32	4	R	Second	1	0 - 9999
Config Protection 10	Threshold 3 Activation Delay Timer Metering	12170	Uint32	4	R	Second	1	0 - 9999
Config Protection 10	Threshold 4 Activation Delay Timer Metering	12172	Uint32	4	R	Second	1	0 - 9999
Config Protection 11	Arming Delay Timer Metering	12174	Uint32	4	R	Second	1	0 - 9999
Config Protection 11	Threshold 1 Activation Delay Timer Metering	12176	Uint32	4	R	Second	1	0 - 9999
Config Protection 11	Threshold 2 Activation Delay Timer Metering	12178	Uint32	4	R	Second	1	0 - 9999
Config Protection 11	Threshold 3 Activation Delay Timer Metering	12180	Uint32	4	R	Second	1	0 - 9999
Config Protection 11	Threshold 4 Activation Delay Timer Metering	12182	Uint32	4	R	Second	1	0 - 9999
Config Protection 12	Arming Delay Timer Metering	12184	Uint32	4	R	Second	1	0 - 9999
Config Protection 12	Threshold 1 Activation Delay Timer Metering	12186	Uint32	4	R	Second	1	0 - 9999
Config Protection 12	Threshold 2 Activation Delay Timer Metering	12188	Uint32	4	R	Second	1	0 - 9999
Config Protection 12	Threshold 3 Activation Delay Timer Metering	12190	Uint32	4	R	Second	1	0 - 9999
Config Protection 12	Threshold 4 Activation Delay Timer Metering	12192	Uint32	4	R	Second	1	0 - 9999
Config Protection 13	Arming Delay Timer Metering	12194	Uint32	4	R	Second	1	0 - 9999
Config Protection 13	Threshold 1 Activation Delay Timer Metering	12196	Uint32	4	R	Second	1	0 - 9999
Config Protection 13	Threshold 2 Activation Delay Timer Metering	12198	Uint32	4	R	Second	1	0 - 9999
Config Protection 13	Threshold 3 Activation Delay Timer Metering	12200	Uint32	4	R	Second	1	0 - 9999

[illegible]

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 31	Threshold 2 Activation Delay Timer Metering	12378	Uint32	4	R	Second	1	0 - 9999
Config Protection 31	Threshold 3 Activation Delay Timer Metering	12380	Uint32	4	R	Second	1	0 - 9999
Config Protection 31	Threshold 4 Activation Delay Timer Metering	12382	Uint32	4	R	Second	1	0 - 9999
Config Protection 32	Arming Delay Timer Metering	12384	Uint32	4	R	Second	1	0 - 9999
Config Protection 32	Threshold 1 Activation Delay Timer Metering	12386	Uint32	4	R	Second	1	0 - 9999
Config Protection 32	Threshold 2 Activation Delay Timer Metering	12388	Uint32	4	R	Second	1	0 - 9999
Config Protection 32	Threshold 3 Activation Delay Timer Metering	12390	Uint32	4	R	Second	1	0 - 9999
Config Protection 32	Threshold 4 Activation Delay Timer Metering	12392	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 1	Arming Delay Timer Metering	12394	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 1	Threshold 1 Activation Delay Timer Metering	12396	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 1	Threshold 2 Activation Delay Timer Metering	12398	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 1	Threshold 3 Activation Delay Timer Metering	12400	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 1	Threshold 4 Activation Delay Timer Metering	12402	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 2	Arming Delay Timer Metering	12404	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 2	Threshold 1 Activation Delay Timer Metering	12406	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 2	Threshold 2 Activation Delay Timer Metering	12408	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 2	Threshold 3 Activation Delay Timer Metering	12410	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 2	Threshold 4 Activation Delay Timer Metering	12412	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 3	Arming Delay Timer Metering	12414	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 3	Threshold 1 Activation Delay Timer Metering	12416	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 3	Threshold 2 Activation Delay Timer Metering	12418	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 3	Threshold 3 Activation Delay Timer Metering	12420	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 3	Threshold 4 Activation Delay Timer Metering	12422	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 4	Arming Delay Timer Metering	12424	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 4	Threshold 1 Activation Delay Timer Metering	12426	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 4	Threshold 2 Activation Delay Timer Metering	12428	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 4	Threshold 3 Activation Delay Timer Metering	12430	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 4	Threshold 4 Activation Delay Timer Metering	12432	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 5	Arming Delay Timer Metering	12434	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 5	Threshold 1 Activation Delay Timer Metering	12436	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 5	Threshold 2 Activation Delay Timer Metering	12438	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 5	Threshold 3 Activation Delay Timer Metering	12440	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 5	Threshold 4 Activation Delay Timer Metering	12442	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 6	Arming Delay Timer Metering	12444	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 6	Threshold 1 Activation Delay Timer Metering	12446	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 6	Threshold 2 Activation Delay Timer Metering	12448	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 6	Threshold 3 Activation Delay Timer Metering	12450	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 6	Threshold 4 Activation Delay Timer Metering	12452	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 7	Arming Delay Timer Metering	12454	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 7	Threshold 1 Activation Delay Timer Metering	12456	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 7	Threshold 2 Activation Delay Timer Metering	12458	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 7	Threshold 3 Activation Delay Timer Metering	12460	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 7	Threshold 4 Activation Delay Timer Metering	12462	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 8	Arming Delay Timer Metering	12464	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 Protection 8	Threshold 1 Activation Delay Timer Metering	12466	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 8	Threshold 2 Activation Delay Timer Metering	12468	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 8	Threshold 3 Activation Delay Timer Metering	12470	Uint32	4	R	Second	1	0 - 9999
AEM 1 Protection 8	Threshold 4 Activation Delay Timer Metering	12472	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 1	Arming Delay Timer Metering	12474	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 1	Threshold 1 Activation Delay Timer Metering	12476	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 1	Threshold 2 Activation Delay Timer Metering	12478	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 1	Threshold 3 Activation Delay Timer Metering	12480	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 1	Threshold 4 Activation Delay Timer Metering	12482	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 2	Arming Delay Timer Metering	12484	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 2	Threshold 1 Activation Delay Timer Metering	12486	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 2	Threshold 2 Activation Delay Timer Metering	12488	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 2	Threshold 3 Activation Delay Timer Metering	12490	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 2	Threshold 4 Activation Delay Timer Metering	12492	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 3	Arming Delay Timer Metering	12494	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 3	Threshold 1 Activation Delay Timer Metering	12496	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 3	Threshold 2 Activation Delay Timer Metering	12498	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 3	Threshold 3 Activation Delay Timer Metering	12500	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 3	Threshold 4 Activation Delay Timer Metering	12502	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 4	Arming Delay Timer Metering	12504	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 4	Threshold 1 Activation Delay Timer Metering	12506	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 4	Threshold 2 Activation Delay Timer Metering	12508	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 4	Threshold 3 Activation Delay Timer Metering	12510	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 4	Threshold 4 Activation Delay Timer Metering	12512	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 5	Arming Delay Timer Metering	12514	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 5	Threshold 1 Activation Delay Timer Metering	12516	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 5	Threshold 2 Activation Delay Timer Metering	12518	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 5	Threshold 3 Activation Delay Timer Metering	12520	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 5	Threshold 4 Activation Delay Timer Metering	12522	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 6	Arming Delay Timer Metering	12524	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 6	Threshold 1 Activation Delay Timer Metering	12526	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 6	Threshold 2 Activation Delay Timer Metering	12528	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 6	Threshold 3 Activation Delay Timer Metering	12530	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 6	Threshold 4 Activation Delay Timer Metering	12532	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 7	Arming Delay Timer Metering	12534	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 7	Threshold 1 Activation Delay Timer Metering	12536	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 7	Threshold 2 Activation Delay Timer Metering	12538	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 7	Threshold 3 Activation Delay Timer Metering	12540	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 7	Threshold 4 Activation Delay Timer Metering	12542	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 1 RTD Protection 8	Arming Delay Timer Metering	12544	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 8	Threshold 1 Activation Delay Timer Metering	12546	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 8	Threshold 2 Activation Delay Timer Metering	12548	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 8	Threshold 3 Activation Delay Timer Metering	12550	Uint32	4	R	Second	1	0 - 9999
AEM 1 RTD Protection 8	Threshold 4 Activation Delay Timer Metering	12552	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 1	Arming Delay Timer Metering	12554	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 1	Threshold 1 Activation Delay Timer Metering	12556	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 1	Threshold 2 Activation Delay Timer Metering	12558	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 1	Threshold 3 Activation Delay Timer Metering	12560	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 1	Threshold 4 Activation Delay Timer Metering	12562	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 2	Arming Delay Timer Metering	12564	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 2	Threshold 1 Activation Delay Timer Metering	12566	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 2	Threshold 2 Activation Delay Timer Metering	12568	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 2	Threshold 3 Activation Delay Timer Metering	12570	Uint32	4	R	Second	1	0 - 9999
AEM 1 Therm Protection 2	Threshold 4 Activation Delay Timer Metering	12572	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 1	Arming Delay Timer Metering	12574	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 1	Threshold 1 Activation Delay Timer Metering	12576	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 1	Threshold 2 Activation Delay Timer Metering	12578	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 1	Threshold 3 Activation Delay Timer Metering	12580	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 1	Threshold 4 Activation Delay Timer Metering	12582	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 2	Arming Delay Timer Metering	12584	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 2	Threshold 1 Activation Delay Timer Metering	12586	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 2	Threshold 2 Activation Delay Timer Metering	12588	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 2	Threshold 3 Activation Delay Timer Metering	12590	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 2	Threshold 4 Activation Delay Timer Metering	12592	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 3	Arming Delay Timer Metering	12594	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 3	Threshold 1 Activation Delay Timer Metering	12596	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 3	Threshold 2 Activation Delay Timer Metering	12598	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 3	Threshold 3 Activation Delay Timer Metering	12600	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 3	Threshold 4 Activation Delay Timer Metering	12602	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 4	Arming Delay Timer Metering	12604	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 4	Threshold 1 Activation Delay Timer Metering	12606	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 4	Threshold 2 Activation Delay Timer Metering	12608	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 4	Threshold 3 Activation Delay Timer Metering	12610	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 4	Threshold 4 Activation Delay Timer Metering	12612	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 5	Arming Delay Timer Metering	12614	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 5	Threshold 1 Activation Delay Timer Metering	12616	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 5	Threshold 2 Activation Delay Timer Metering	12618	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 5	Threshold 3 Activation Delay Timer Metering	12620	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 5	Threshold 4 Activation Delay Timer Metering	12622	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 6	Arming Delay Timer Metering	12624	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 6	Threshold 1 Activation Delay Timer Metering	12626	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 Protection 6	Threshold 2 Activation Delay Timer Metering	12628	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 6	Threshold 3 Activation Delay Timer Metering	12630	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 6	Threshold 4 Activation Delay Timer Metering	12632	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 7	Arming Delay Timer Metering	12634	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 7	Threshold 1 Activation Delay Timer Metering	12636	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 7	Threshold 2 Activation Delay Timer Metering	12638	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 7	Threshold 3 Activation Delay Timer Metering	12640	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 7	Threshold 4 Activation Delay Timer Metering	12642	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 8	Arming Delay Timer Metering	12644	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 8	Threshold 1 Activation Delay Timer Metering	12646	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 8	Threshold 2 Activation Delay Timer Metering	12648	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 8	Threshold 3 Activation Delay Timer Metering	12650	Uint32	4	R	Second	1	0 - 9999
AEM 2 Protection 8	Threshold 4 Activation Delay Timer Metering	12652	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 1	Arming Delay Timer Metering	12654	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 1	Threshold 1 Activation Delay Timer Metering	12656	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 1	Threshold 2 Activation Delay Timer Metering	12658	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 1	Threshold 3 Activation Delay Timer Metering	12660	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 1	Threshold 4 Activation Delay Timer Metering	12662	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 2	Arming Delay Timer Metering	12664	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 2	Threshold 1 Activation Delay Timer Metering	12666	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 2	Threshold 2 Activation Delay Timer Metering	12668	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 2	Threshold 3 Activation Delay Timer Metering	12670	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 2	Threshold 4 Activation Delay Timer Metering	12672	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 3	Arming Delay Timer Metering	12674	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 3	Threshold 1 Activation Delay Timer Metering	12676	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 3	Threshold 2 Activation Delay Timer Metering	12678	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 3	Threshold 3 Activation Delay Timer Metering	12680	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 3	Threshold 4 Activation Delay Timer Metering	12682	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 4	Arming Delay Timer Metering	12684	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 4	Threshold 1 Activation Delay Timer Metering	12686	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 4	Threshold 2 Activation Delay Timer Metering	12688	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 4	Threshold 3 Activation Delay Timer Metering	12690	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 4	Threshold 4 Activation Delay Timer Metering	12692	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 5	Arming Delay Timer Metering	12694	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 5	Threshold 1 Activation Delay Timer Metering	12696	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 5	Threshold 2 Activation Delay Timer Metering	12698	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 5	Threshold 3 Activation Delay Timer Metering	12700	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 5	Threshold 4 Activation Delay Timer Metering	12702	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 6	Arming Delay Timer Metering	12704	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 6	Threshold 1 Activation Delay Timer Metering	12706	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 2 RTD Protection 6	Threshold 2 Activation Delay Timer Metering	12708	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 6	Threshold 3 Activation Delay Timer Metering	12710	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 6	Threshold 4 Activation Delay Timer Metering	12712	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 7	Arming Delay Timer Metering	12714	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 7	Threshold 1 Activation Delay Timer Metering	12716	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 7	Threshold 2 Activation Delay Timer Metering	12718	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 7	Threshold 3 Activation Delay Timer Metering	12720	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 7	Threshold 4 Activation Delay Timer Metering	12722	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 8	Arming Delay Timer Metering	12724	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 8	Threshold 1 Activation Delay Timer Metering	12726	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 8	Threshold 2 Activation Delay Timer Metering	12728	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 8	Threshold 3 Activation Delay Timer Metering	12730	Uint32	4	R	Second	1	0 - 9999
AEM 2 RTD Protection 8	Threshold 4 Activation Delay Timer Metering	12732	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 1	Arming Delay Timer Metering	12734	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 1	Threshold 1 Activation Delay Timer Metering	12736	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 1	Threshold 2 Activation Delay Timer Metering	12738	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 1	Threshold 3 Activation Delay Timer Metering	12740	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 1	Threshold 4 Activation Delay Timer Metering	12742	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 2	Arming Delay Timer Metering	12744	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 2	Threshold 1 Activation Delay Timer Metering	12746	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 2	Threshold 2 Activation Delay Timer Metering	12748	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 2	Threshold 3 Activation Delay Timer Metering	12750	Uint32	4	R	Second	1	0 - 9999
AEM 2 Therm Protection 2	Threshold 4 Activation Delay Timer Metering	12752	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 1	Arming Delay Timer Metering	12754	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 1	Threshold 1 Activation Delay Timer Metering	12756	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 1	Threshold 2 Activation Delay Timer Metering	12758	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 1	Threshold 3 Activation Delay Timer Metering	12760	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 1	Threshold 4 Activation Delay Timer Metering	12762	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 2	Arming Delay Timer Metering	12764	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 2	Threshold 1 Activation Delay Timer Metering	12766	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 2	Threshold 2 Activation Delay Timer Metering	12768	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 2	Threshold 3 Activation Delay Timer Metering	12770	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 2	Threshold 4 Activation Delay Timer Metering	12772	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 3	Arming Delay Timer Metering	12774	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 3	Threshold 1 Activation Delay Timer Metering	12776	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 3	Threshold 2 Activation Delay Timer Metering	12778	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 3	Threshold 3 Activation Delay Timer Metering	12780	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 3	Threshold 4 Activation Delay Timer Metering	12782	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 4	Arming Delay Timer Metering	12784	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 4	Threshold 1 Activation Delay Timer Metering	12786	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 4	Threshold 2 Activation Delay Timer Metering	12788	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 Protection 4	Threshold 3 Activation Delay Timer Metering	12790	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 4	Threshold 4 Activation Delay Timer Metering	12792	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 5	Arming Delay Timer Metering	12794	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 5	Threshold 1 Activation Delay Timer Metering	12796	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 5	Threshold 2 Activation Delay Timer Metering	12798	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 5	Threshold 3 Activation Delay Timer Metering	12800	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 5	Threshold 4 Activation Delay Timer Metering	12802	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 6	Arming Delay Timer Metering	12804	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 6	Threshold 1 Activation Delay Timer Metering	12806	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 6	Threshold 2 Activation Delay Timer Metering	12808	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 6	Threshold 3 Activation Delay Timer Metering	12810	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 6	Threshold 4 Activation Delay Timer Metering	12812	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 7	Arming Delay Timer Metering	12814	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 7	Threshold 1 Activation Delay Timer Metering	12816	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 7	Threshold 2 Activation Delay Timer Metering	12818	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 7	Threshold 3 Activation Delay Timer Metering	12820	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 7	Threshold 4 Activation Delay Timer Metering	12822	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 8	Arming Delay Timer Metering	12824	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 8	Threshold 1 Activation Delay Timer Metering	12826	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 8	Threshold 2 Activation Delay Timer Metering	12828	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 8	Threshold 3 Activation Delay Timer Metering	12830	Uint32	4	R	Second	1	0 - 9999
AEM 3 Protection 8	Threshold 4 Activation Delay Timer Metering	12832	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 1	Arming Delay Timer Metering	12834	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 1	Threshold 1 Activation Delay Timer Metering	12836	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 1	Threshold 2 Activation Delay Timer Metering	12838	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 1	Threshold 3 Activation Delay Timer Metering	12840	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 1	Threshold 4 Activation Delay Timer Metering	12842	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 2	Arming Delay Timer Metering	12844	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 2	Threshold 1 Activation Delay Timer Metering	12846	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 2	Threshold 2 Activation Delay Timer Metering	12848	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 2	Threshold 3 Activation Delay Timer Metering	12850	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 2	Threshold 4 Activation Delay Timer Metering	12852	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 3	Arming Delay Timer Metering	12854	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 3	Threshold 1 Activation Delay Timer Metering	12856	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 3	Threshold 2 Activation Delay Timer Metering	12858	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 3	Threshold 3 Activation Delay Timer Metering	12860	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 3	Threshold 4 Activation Delay Timer Metering	12862	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 4	Arming Delay Timer Metering	12864	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 4	Threshold 1 Activation Delay Timer Metering	12866	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 4	Threshold 2 Activation Delay Timer Metering	12868	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 4	Threshold 3 Activation Delay Timer Metering	12870	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 3 RTD Protection 4	Threshold 4 Activation Delay Timer Metering	12872	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 5	Arming Delay Timer Metering	12874	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 5	Threshold 1 Activation Delay Timer Metering	12876	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 5	Threshold 2 Activation Delay Timer Metering	12878	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 5	Threshold 3 Activation Delay Timer Metering	12880	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 5	Threshold 4 Activation Delay Timer Metering	12882	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 6	Arming Delay Timer Metering	12884	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 6	Threshold 1 Activation Delay Timer Metering	12886	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 6	Threshold 2 Activation Delay Timer Metering	12888	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 6	Threshold 3 Activation Delay Timer Metering	12890	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 6	Threshold 4 Activation Delay Timer Metering	12892	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 7	Arming Delay Timer Metering	12894	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 7	Threshold 1 Activation Delay Timer Metering	12896	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 7	Threshold 2 Activation Delay Timer Metering	12898	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 7	Threshold 3 Activation Delay Timer Metering	12900	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 7	Threshold 4 Activation Delay Timer Metering	12902	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 8	Arming Delay Timer Metering	12904	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 8	Threshold 1 Activation Delay Timer Metering	12906	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 8	Threshold 2 Activation Delay Timer Metering	12908	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 8	Threshold 3 Activation Delay Timer Metering	12910	Uint32	4	R	Second	1	0 - 9999
AEM 3 RTD Protection 8	Threshold 4 Activation Delay Timer Metering	12912	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 1	Arming Delay Timer Metering	12914	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 1	Threshold 1 Activation Delay Timer Metering	12916	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 1	Threshold 2 Activation Delay Timer Metering	12918	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 1	Threshold 3 Activation Delay Timer Metering	12920	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 1	Threshold 4 Activation Delay Timer Metering	12922	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 2	Arming Delay Timer Metering	12924	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 2	Threshold 1 Activation Delay Timer Metering	12926	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 2	Threshold 2 Activation Delay Timer Metering	12928	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 2	Threshold 3 Activation Delay Timer Metering	12930	Uint32	4	R	Second	1	0 - 9999
AEM 3 Therm Protection 2	Threshold 4 Activation Delay Timer Metering	12932	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 1	Arming Delay Timer Metering	12934	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 1	Threshold 1 Activation Delay Timer Metering	12936	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 1	Threshold 2 Activation Delay Timer Metering	12938	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 1	Threshold 3 Activation Delay Timer Metering	12940	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 1	Threshold 4 Activation Delay Timer Metering	12942	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 2	Arming Delay Timer Metering	12944	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 2	Threshold 1 Activation Delay Timer Metering	12946	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 2	Threshold 2 Activation Delay Timer Metering	12948	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 2	Threshold 3 Activation Delay Timer Metering	12950	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 Protection 2	Threshold 4 Activation Delay Timer Metering	12952	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 3	Arming Delay Timer Metering	12954	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 3	Threshold 1 Activation Delay Timer Metering	12956	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 3	Threshold 2 Activation Delay Timer Metering	12958	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 3	Threshold 3 Activation Delay Timer Metering	12960	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 3	Threshold 4 Activation Delay Timer Metering	12962	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 4	Arming Delay Timer Metering	12964	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 4	Threshold 1 Activation Delay Timer Metering	12966	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 4	Threshold 2 Activation Delay Timer Metering	12968	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 4	Threshold 3 Activation Delay Timer Metering	12970	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 4	Threshold 4 Activation Delay Timer Metering	12972	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 5	Arming Delay Timer Metering	12974	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 5	Threshold 1 Activation Delay Timer Metering	12976	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 5	Threshold 2 Activation Delay Timer Metering	12978	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 5	Threshold 3 Activation Delay Timer Metering	12980	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 5	Threshold 4 Activation Delay Timer Metering	12982	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 6	Arming Delay Timer Metering	12984	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 6	Threshold 1 Activation Delay Timer Metering	12986	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 6	Threshold 2 Activation Delay Timer Metering	12988	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 6	Threshold 3 Activation Delay Timer Metering	12990	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 6	Threshold 4 Activation Delay Timer Metering	12992	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 7	Arming Delay Timer Metering	12994	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 7	Threshold 1 Activation Delay Timer Metering	12996	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 7	Threshold 2 Activation Delay Timer Metering	12998	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 7	Threshold 3 Activation Delay Timer Metering	13000	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 7	Threshold 4 Activation Delay Timer Metering	13002	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 8	Arming Delay Timer Metering	13004	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 8	Threshold 1 Activation Delay Timer Metering	13006	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 8	Threshold 2 Activation Delay Timer Metering	13008	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 8	Threshold 3 Activation Delay Timer Metering	13010	Uint32	4	R	Second	1	0 - 9999
AEM 4 Protection 8	Threshold 4 Activation Delay Timer Metering	13012	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 1	Arming Delay Timer Metering	13014	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 1	Threshold 1 Activation Delay Timer Metering	13016	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 1	Threshold 2 Activation Delay Timer Metering	13018	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 1	Threshold 3 Activation Delay Timer Metering	13020	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 1	Threshold 4 Activation Delay Timer Metering	13022	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 2	Arming Delay Timer Metering	13024	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 2	Threshold 1 Activation Delay Timer Metering	13026	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 2	Threshold 2 Activation Delay Timer Metering	13028	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 2	Threshold 3 Activation Delay Timer Metering	13030	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 2	Threshold 4 Activation Delay Timer Metering	13032	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 3	Arming Delay Timer Metering	13034	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
AEM 4 RTD Protection 3	Threshold 1 Activation Delay Timer Metering	13036	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 3	Threshold 2 Activation Delay Timer Metering	13038	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 3	Threshold 3 Activation Delay Timer Metering	13040	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 3	Threshold 4 Activation Delay Timer Metering	13042	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 4	Arming Delay Timer Metering	13044	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 4	Threshold 1 Activation Delay Timer Metering	13046	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 4	Threshold 2 Activation Delay Timer Metering	13048	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 4	Threshold 3 Activation Delay Timer Metering	13050	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 4	Threshold 4 Activation Delay Timer Metering	13052	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 5	Arming Delay Timer Metering	13054	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 5	Threshold 1 Activation Delay Timer Metering	13056	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 5	Threshold 2 Activation Delay Timer Metering	13058	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 5	Threshold 3 Activation Delay Timer Metering	13060	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 5	Threshold 4 Activation Delay Timer Metering	13062	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 6	Arming Delay Timer Metering	13064	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 6	Threshold 1 Activation Delay Timer Metering	13066	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 6	Threshold 2 Activation Delay Timer Metering	13068	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 6	Threshold 3 Activation Delay Timer Metering	13070	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 6	Threshold 4 Activation Delay Timer Metering	13072	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 7	Arming Delay Timer Metering	13074	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 7	Threshold 1 Activation Delay Timer Metering	13076	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 7	Threshold 2 Activation Delay Timer Metering	13078	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 7	Threshold 3 Activation Delay Timer Metering	13080	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 7	Threshold 4 Activation Delay Timer Metering	13082	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 8	Arming Delay Timer Metering	13084	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 8	Threshold 1 Activation Delay Timer Metering	13086	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 8	Threshold 2 Activation Delay Timer Metering	13088	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 8	Threshold 3 Activation Delay Timer Metering	13090	Uint32	4	R	Second	1	0 - 9999
AEM 4 RTD Protection 8	Threshold 4 Activation Delay Timer Metering	13092	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 1	Arming Delay Timer Metering	13094	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 1	Threshold 1 Activation Delay Timer Metering	13096	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 1	Threshold 2 Activation Delay Timer Metering	13098	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 1	Threshold 3 Activation Delay Timer Metering	13100	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 1	Threshold 4 Activation Delay Timer Metering	13102	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 2	Arming Delay Timer Metering	13104	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 2	Threshold 1 Activation Delay Timer Metering	13106	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 2	Threshold 2 Activation Delay Timer Metering	13108	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 2	Threshold 3 Activation Delay Timer Metering	13110	Uint32	4	R	Second	1	0 - 9999
AEM 4 Therm Protection 2	Threshold 4 Activation Delay Timer Metering	13112	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
VRM RTD Protection 1	Arming Delay Timer Metering	13114	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 1	Threshold 1 Activation Delay Timer Metering	13116	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 1	Threshold 2 Activation Delay Timer Metering	13118	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 1	Threshold 3 Activation Delay Timer Metering	13120	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 1	Threshold 4 Activation Delay Timer Metering	13122	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 2	Arming Delay Timer Metering	13124	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 2	Threshold 1 Activation Delay Timer Metering	13126	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 2	Threshold 2 Activation Delay Timer Metering	13128	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 2	Threshold 3 Activation Delay Timer Metering	13130	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 2	Threshold 4 Activation Delay Timer Metering	13132	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 3	Arming Delay Timer Metering	13134	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 3	Threshold 1 Activation Delay Timer Metering	13136	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 3	Threshold 2 Activation Delay Timer Metering	13138	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 3	Threshold 3 Activation Delay Timer Metering	13140	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 3	Threshold 4 Activation Delay Timer Metering	13142	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 4	Arming Delay Timer Metering	13144	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 4	Threshold 1 Activation Delay Timer Metering	13146	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 4	Threshold 2 Activation Delay Timer Metering	13148	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 4	Threshold 3 Activation Delay Timer Metering	13150	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 4	Threshold 4 Activation Delay Timer Metering	13152	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 5	Arming Delay Timer Metering	13154	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 5	Threshold 1 Activation Delay Timer Metering	13156	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 5	Threshold 2 Activation Delay Timer Metering	13158	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 5	Threshold 3 Activation Delay Timer Metering	13160	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 5	Threshold 4 Activation Delay Timer Metering	13162	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 6	Arming Delay Timer Metering	13164	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 6	Threshold 1 Activation Delay Timer Metering	13166	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 6	Threshold 2 Activation Delay Timer Metering	13168	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 6	Threshold 3 Activation Delay Timer Metering	13170	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 6	Threshold 4 Activation Delay Timer Metering	13172	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 7	Arming Delay Timer Metering	13174	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 7	Threshold 1 Activation Delay Timer Metering	13176	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 7	Threshold 2 Activation Delay Timer Metering	13178	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 7	Threshold 3 Activation Delay Timer Metering	13180	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 7	Threshold 4 Activation Delay Timer Metering	13182	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 8	Arming Delay Timer Metering	13184	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 8	Threshold 1 Activation Delay Timer Metering	13186	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 8	Threshold 2 Activation Delay Timer Metering	13188	Uint32	4	R	Second	1	0 - 9999
VRM RTD Protection 8	Threshold 3 Activation Delay Timer Metering	13190	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
VRM RTD Protection 8	Threshold 4 Activation Delay Timer Metering	13192	Uint32	4	R	Second	1	0 - 9999
Coolant Temp Sender Fail	Activation Delay Timer Metering	13194	Uint32	4	R	Second	1	0 - 300
Oil Pressure Sender Fail	Activation Delay Timer Metering	13196	Uint32	4	R	Second	1	0 - 300
Fuel Level Sender Fail	Activation Delay Timer Metering	13198	Uint32	4	R	Second	1	0 - 300
Voltage Sensing Sender Fail	Activation Delay Timer Metering	13200	Uint32	4	R	Second	1	0 - 300
Coolant Level Sender Fail	Activation Delay Timer Metering	13202	Uint32	4	R	Second	1	0 - 300
Global Sender Fail	Activation Delay Timer Metering	13204	Uint32	4	R	Second	1	0 - 300
ATS	Activation Delay Timer Metering	13206	Uint32	4	R	Second	1	0 - 300
Ground Delta Override	Activation Delay Timer Metering	13208	Uint32	4	R	Second	1	0 - 300
Battle Override	Activation Delay Timer Metering	13210	Uint32	4	R	Second	1	0 - 300
Low Line Override	Activation Delay Timer Metering	13212	Uint32	4	R	Second	1	0 - 300
Single-Phase AC Override	Activation Delay Timer Metering	13214	Uint32	4	R	Second	1	0 - 300
Battery Charger Fail	Activation Delay Timer Metering	13216	Uint32	4	R	Second	1	0 - 300
Low Coolant Level Programmable Function	Activation Delay Timer Metering	13218	Uint32	4	R	Second	1	0 - 300
Fuel Leak Detect	Activation Delay Timer Metering	13220	Uint32	4	R	Second	1	0 - 300
Emergency Stop	Activation Delay Timer Metering	13222	Uint32	4	R	Second	1	0 - 300
Config Element 1	Activation Delay Timer Metering	13224	Uint32	4	R	Second	1	0 - 300
Config Element 2	Activation Delay Timer Metering	13226	Uint32	4	R	Second	1	0 - 300
Config Element 3	Activation Delay Timer Metering	13228	Uint32	4	R	Second	1	0 - 300
Config Element 4	Activation Delay Timer Metering	13230	Uint32	4	R	Second	1	0 - 300
Config Element 5	Activation Delay Timer Metering	13232	Uint32	4	R	Second	1	0 - 300
Config Element 6	Activation Delay Timer Metering	13234	Uint32	4	R	Second	1	0 - 300
Config Element 7	Activation Delay Timer Metering	13236	Uint32	4	R	Second	1	0 - 300
Config Element 8	Activation Delay Timer Metering	13238	Uint32	4	R	Second	1	0 - 300
Contact Input 1	Activation Delay Timer Metering	13240	Uint32	4	R	Second	1	0 - 300
Contact Input 2	Activation Delay Timer Metering	13242	Uint32	4	R	Second	1	0 - 300
Contact Input 3	Activation Delay Timer Metering	13244	Uint32	4	R	Second	1	0 - 300
Contact Input 4	Activation Delay Timer Metering	13246	Uint32	4	R	Second	1	0 - 300
Contact Input 5	Activation Delay Timer Metering	13248	Uint32	4	R	Second	1	0 - 300
Contact Input 6	Activation Delay Timer Metering	13250	Uint32	4	R	Second	1	0 - 300
Contact Input 7	Activation Delay Timer Metering	13252	Uint32	4	R	Second	1	0 - 300
Contact Input 8	Activation Delay Timer Metering	13254	Uint32	4	R	Second	1	0 - 300
Contact Input 9	Activation Delay Timer Metering	13256	Uint32	4	R	Second	1	0 - 300
Contact Input 10	Activation Delay Timer Metering	13258	Uint32	4	R	Second	1	0 - 300
Contact Input 11	Activation Delay Timer Metering	13260	Uint32	4	R	Second	1	0 - 300
Contact Input 12	Activation Delay Timer Metering	13262	Uint32	4	R	Second	1	0 - 300
Contact Input 13	Activation Delay Timer Metering	13264	Uint32	4	R	Second	1	0 - 300
Contact Input 14	Activation Delay Timer Metering	13266	Uint32	4	R	Second	1	0 - 300
Contact Input 15	Activation Delay Timer Metering	13268	Uint32	4	R	Second	1	0 - 300
Contact Input 16	Activation Delay Timer Metering	13270	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 1	Activation Delay Timer Metering	13272	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 2	Activation Delay Timer Metering	13274	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 3	Activation Delay Timer Metering	13276	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 4	Activation Delay Timer Metering	13278	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 5	Activation Delay Timer Metering	13280	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 6	Activation Delay Timer Metering	13282	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 7	Activation Delay Timer Metering	13284	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 8	Activation Delay Timer Metering	13286	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 9	Activation Delay Timer Metering	13288	Uint32	4	R	Second	1	0 - 300
CEM 1 Contact Input 10	Activation Delay Timer Metering	13290	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 1	Activation Delay Timer Metering	13292	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 2	Activation Delay Timer Metering	13294	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 3	Activation Delay Timer Metering	13296	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 4	Activation Delay Timer Metering	13298	Uint32	4	R	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
CEM 2 Contact Input 5	Activation Delay Timer Metering	13300	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 6	Activation Delay Timer Metering	13302	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 7	Activation Delay Timer Metering	13304	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 8	Activation Delay Timer Metering	13306	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 9	Activation Delay Timer Metering	13308	Uint32	4	R	Second	1	0 - 300
CEM 2 Contact Input 10	Activation Delay Timer Metering	13310	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 1	Activation Delay Timer Metering	13312	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 2	Activation Delay Timer Metering	13314	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 3	Activation Delay Timer Metering	13316	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 4	Activation Delay Timer Metering	13318	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 5	Activation Delay Timer Metering	13320	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 6	Activation Delay Timer Metering	13322	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 7	Activation Delay Timer Metering	13324	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 8	Activation Delay Timer Metering	13326	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 9	Activation Delay Timer Metering	13328	Uint32	4	R	Second	1	0 - 300
CEM 3 Contact Input 10	Activation Delay Timer Metering	13330	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 1	Activation Delay Timer Metering	13332	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 2	Activation Delay Timer Metering	13334	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 3	Activation Delay Timer Metering	13336	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 4	Activation Delay Timer Metering	13338	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 5	Activation Delay Timer Metering	13340	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 6	Activation Delay Timer Metering	13342	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 7	Activation Delay Timer Metering	13344	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 8	Activation Delay Timer Metering	13346	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 9	Activation Delay Timer Metering	13348	Uint32	4	R	Second	1	0 - 300
CEM 4 Contact Input 10	Activation Delay Timer Metering	13350	Uint32	4	R	Second	1	0 - 300
Analog Input 1 Protection	Arming Delay Timer Metering	13352	Uint32	4	R	Second	1	0 - 9999
Analog Input 1 Protection	Threshold 1 Activation Delay Timer Metering	13354	Uint32	4	R	Second	1	0 - 9999
Analog Input 1 Protection	Threshold 2 Activation Delay Timer Metering	13356	Uint32	4	R	Second	1	0 - 9999
Analog Input 1 Protection	Threshold 3 Activation Delay Timer Metering	13358	Uint32	4	R	Second	1	0 - 9999
Analog Input 1 Protection	Threshold 4 Activation Delay Timer Metering	13360	Uint32	4	R	Second	1	0 - 9999
Analog Input 2 Protection	Arming Delay Timer Metering	13362	Uint32	4	R	Second	1	0 - 9999
Analog Input 2 Protection	Threshold 1 Activation Delay Timer Metering	13364	Uint32	4	R	Second	1	0 - 9999
Analog Input 2 Protection	Threshold 2 Activation Delay Timer Metering	13366	Uint32	4	R	Second	1	0 - 9999
Analog Input 2 Protection	Threshold 3 Activation Delay Timer Metering	13368	Uint32	4	R	Second	1	0 - 9999
Analog Input 2 Protection	Threshold 4 Activation Delay Timer Metering	13370	Uint32	4	R	Second	1	0 - 9999
Analog Input 3 Protection	Arming Delay Timer Metering	13372	Uint32	4	R	Second	1	0 - 9999
Analog Input 3 Protection	Threshold 1 Activation Delay Timer Metering	13374	Uint32	4	R	Second	1	0 - 9999
Analog Input 3 Protection	Threshold 2 Activation Delay Timer Metering	13376	Uint32	4	R	Second	1	0 - 9999

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Analog Input 3 Protection	Threshold 3 Activation Delay Timer Metering	13378	Uint32	4	R	Second	1	0 - 9999
Analog Input 3 Protection	Threshold 4 Activation Delay Timer Metering	13380	Uint32	4	R	Second	1	0 - 9999
Analog Input 4 Protection	Arming Delay Timer Metering	13382	Uint32	4	R	Second	1	0 - 9999
Analog Input 4 Protection	Threshold 1 Activation Delay Timer Metering	13384	Uint32	4	R	Second	1	0 - 9999
Analog Input 4 Protection	Threshold 2 Activation Delay Timer Metering	13386	Uint32	4	R	Second	1	0 - 9999
Analog Input 4 Protection	Threshold 3 Activation Delay Timer Metering	13388	Uint32	4	R	Second	1	0 - 9999
Analog Input 4 Protection	Threshold 4 Activation Delay Timer Metering	13390	Uint32	4	R	Second	1	0 - 9999
Seven Day Timer 1	Sunday Event Status	13392	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 1	Monday Event Status	13394	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 1	Tuesday Event Status	13396	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 1	Wednesday Event Status	13398	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 1	Thursday Event Status	13400	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 1	Friday Event Status	13402	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 1	Saturday Event Status	13404	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 1	Next Event	13406	Uint32	4	R	n/a	n/a	None=0 Sunday=1 Monday=2 Tuesday=3 Wednesday=4 Thursday=5 Friday=6 Saturday=7
Seven Day Timer 2	Sunday Event Status	13408	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 2	Monday Event Status	13410	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 2	Tuesday Event Status	13412	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 2	Wednesday Event Status	13414	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 2	Thursday Event Status	13416	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 2	Friday Event Status	13418	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 2	Saturday Event Status	13420	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 2	Next Event	13422	Uint32	4	R	n/a	n/a	None=0 Sunday=1 Monday=2 Tuesday=3 Wednesday=4 Thursday=5 Friday=6 Saturday=7
Seven Day Timer 3	Sunday Event Status	13424	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 3	Monday Event Status	13426	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 3	Tuesday Event Status	13428	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 3	Wednesday Event Status	13430	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 3	Thursday Event Status	13432	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 3	Friday Event Status	13434	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 3	Saturday Event Status	13436	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 3	Next Event	13438	Uint32	4	R	n/a	n/a	None=0 Sunday=1 Monday=2 Tuesday=3 Wednesday=4 Thursday=5 Friday=6 Saturday=7
Seven Day Timer 4	Sunday Event Status	13440	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 4	Monday Event Status	13442	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 4	Tuesday Event Status	13444	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 4	Wednesday Event Status	13446	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 4	Thursday Event Status	13448	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 4	Friday Event Status	13450	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 4	Saturday Event Status	13452	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 4	Next Event	13454	Uint32	4	R	n/a	n/a	None=0 Sunday=1 Monday=2 Tuesday=3 Wednesday=4 Thursday=5 Friday=6 Saturday=7
Seven Day Timer 5	Sunday Event Status	13456	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 5	Monday Event Status	13458	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 5	Tuesday Event Status	13460	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 5	Wednesday Event Status	13462	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 5	Thursday Event Status	13464	Uint32	4	R	n/a	n/a	Off=0, 1=On

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Seven Day Timer 5	Friday Event Status	13466	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 5	Saturday Event Status	13468	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 5	Next Event	13470	Uint32	4	R	n/a	n/a	None=0 Sunday=1 Monday=2 Tuesday=3 Wednesday=4 Thursday=5 Friday=6 Saturday=7
Seven Day Timer 6	Sunday Event Status	13472	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 6	Monday Event Status	13474	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 6	Tuesday Event Status	13476	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 6	Wednesday Event Status	13478	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 6	Thursday Event Status	13480	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 6	Friday Event Status	13482	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 6	Saturday Event Status	13484	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 6	Next Event	13486	Uint32	4	R	n/a	n/a	None=0 Sunday=1 Monday=2 Tuesday=3 Wednesday=4 Thursday=5 Friday=6 Saturday=7
Seven Day Timer 7	Sunday Event Status	13488	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 7	Monday Event Status	13490	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 7	Tuesday Event Status	13492	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 7	Wednesday Event Status	13494	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 7	Thursday Event Status	13496	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 7	Friday Event Status	13498	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 7	Saturday Event Status	13500	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 7	Next Event	13502	Uint32	4	R	n/a	n/a	None=0 Sunday=1 Monday=2 Tuesday=3 Wednesday=4 Thursday=5 Friday=6 Saturday=7
Seven Day Timer 8	Sunday Event Status	13504	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 8	Monday Event Status	13506	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 8	Tuesday Event Status	13508	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 8	Wednesday Event Status	13510	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 8	Thursday Event Status	13512	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 8	Friday Event Status	13514	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 8	Saturday Event Status	13516	Uint32	4	R	n/a	n/a	Off=0, 1=On
Seven Day Timer 8	Next Event	13518	Uint32	4	R	n/a	n/a	None=0 Sunday=1 Monday=2 Tuesday=3 Wednesday=4 Thursday=5 Friday=6 Saturday=7
OEL	Activation Delay Timer Metering	13520	Uint32	4	R	Second	1	0 - 300
UEL	Activation Delay Timer Metering	13522	Uint32	4	R	Second	1	0 - 300
V/Hz Limit	Activation Delay Timer Metering	13524	Uint32	4	R	Second	1	0 - 300
Config DTC 1	Activation Delay Timer Metering	13526	Uint32	4	R	Second	1	0 - 300
Config DTC 2	Activation Delay Timer Metering	13528	Uint32	4	R	Second	1	0 - 300
Config DTC 3	Activation Delay Timer Metering	13530	Uint32	4	R	Second	1	0 - 300
Config DTC 4	Activation Delay Timer Metering	13532	Uint32	4	R	Second	1	0 - 300
Config DTC 5	Activation Delay Timer Metering	13534	Uint32	4	R	Second	1	0 - 300
Config DTC 6	Activation Delay Timer Metering	13536	Uint32	4	R	Second	1	0 - 300
Config DTC 7	Activation Delay Timer Metering	13538	Uint32	4	R	Second	1	0 - 300
Config DTC 8	Activation Delay Timer Metering	13540	Uint32	4	R	Second	1	0 - 300
Config DTC 9	Activation Delay Timer Metering	13542	Uint32	4	R	Second	1	0 - 300
Config DTC 10	Activation Delay Timer Metering	13544	Uint32	4	R	Second	1	0 - 300
Config DTC 11	Activation Delay Timer Metering	13546	Uint32	4	R	Second	1	0 - 300
Config DTC 12	Activation Delay Timer Metering	13548	Uint32	4	R	Second	1	0 - 300
Config DTC 13	Activation Delay Timer Metering	13550	Uint32	4	R	Second	1	0 - 300
Config DTC 14	Activation Delay Timer Metering	13552	Uint32	4	R	Second	1	0 - 300
Config DTC 15	Activation Delay Timer Metering	13554	Uint32	4	R	Second	1	0 - 300
Config DTC 16	Activation Delay Timer Metering	13556	Uint32	4	R	Second	1	0 - 300
Config Element 9	Activation Delay Timer Metering	13558	Uint32	4	R	Second	1	0 - 300
Config Element 10	Activation Delay Timer Metering	13560	Uint32	4	R	Second	1	0 - 300
Config Element 11	Activation Delay Timer Metering	13562	Uint32	4	R	Second	1	0 - 300
Config Element 12	Activation Delay Timer Metering	13564	Uint32	4	R	Second	1	0 - 300

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Element 13	Activation Delay Timer Metering	13566	Uint32	4	R	Second	1	0 - 300
Config Element 14	Activation Delay Timer Metering	13568	Uint32	4	R	Second	1	0 - 300
Config Element 15	Activation Delay Timer Metering	13570	Uint32	4	R	Second	1	0 - 300
Config Element 16	Activation Delay Timer Metering	13572	Uint32	4	R	Second	1	0 - 300
Config Element 17	Activation Delay Timer Metering	13574	Uint32	4	R	Second	1	0 - 300
Config Element 18	Activation Delay Timer Metering	13576	Uint32	4	R	Second	1	0 - 300
Config Element 19	Activation Delay Timer Metering	13578	Uint32	4	R	Second	1	0 - 300
Config Element 20	Activation Delay Timer Metering	13580	Uint32	4	R	Second	1	0 - 300
Config Element 21	Activation Delay Timer Metering	13582	Uint32	4	R	Second	1	0 - 300
Config Element 22	Activation Delay Timer Metering	13584	Uint32	4	R	Second	1	0 - 300
Config Element 23	Activation Delay Timer Metering	13586	Uint32	4	R	Second	1	0 - 300
Config Element 24	Activation Delay Timer Metering	13588	Uint32	4	R	Second	1	0 - 300
Config Element 25	Activation Delay Timer Metering	13590	Uint32	4	R	Second	1	0 - 300
Config Element 26	Activation Delay Timer Metering	13592	Uint32	4	R	Second	1	0 - 300
Config Element 27	Activation Delay Timer Metering	13594	Uint32	4	R	Second	1	0 - 300
Config Element 28	Activation Delay Timer Metering	13596	Uint32	4	R	Second	1	0 - 300
Config Element 29	Activation Delay Timer Metering	13598	Uint32	4	R	Second	1	0 - 300
Config Element 30	Activation Delay Timer Metering	13600	Uint32	4	R	Second	1	0 - 300
Config Element 31	Activation Delay Timer Metering	13602	Uint32	4	R	Second	1	0 - 300
Config Element 32	Activation Delay Timer Metering	13604	Uint32	4	R	Second	1	0 - 300
J1939 Params	Deutz Restriction Level Due to DEF Level	13606	Uint32	4	R	n/a	1	0 = No restriction 1 = Level 1 (i.e. Warning < 5% DEF Level, power reduction after a delay time possible) 2 = Level 2 torque reduction Step 1 (early inducement) 3 = Level 3 torque reduction Step 2 (severe inducement)
J1939 Params	Deutz DEF Tank Level Threshold	13608	Uint32	4	R	n/a	1	1 = Level > Threshold 1 (15%) 2 = Threshold 1 > Level > Threshold 2 (10%) 3 = Threshold 2 > Level > Threshold 3 (5%) 4 = Threshold 3 > Level
J1939 Params	Deutz Restriction Due to DEF Quality	13610	Uint32	4	R	n/a	1	0 = No restriction 1 = Level 1 Warning, power reduction after a delay time possible 2 = Level 2 torque reduction Step 1 (early inducement) 3 = Level 3 torque reduction Step 2 (severe inducement)
J1939 Params	Deutz Inducement Reason	13612	Uint32	4	R	n/a	1	0 = No inducement active 1 = Reagent Level Low 2 = Incorrect Quality 3 = Incorrect Consumption (not available) 4 = Tampering 5 = Spare (not available) 6 = Error (Hardware Failure) – will display as "SF" 7 = Not Available / Not Supported (No SCR system mounted) – will display as "NA"
J1939 Params	J1939 Fiat Def Level	13614	Uint32	4	R	n/a	1	0 = Not Present 1 = Mild Warning 2 = Moderate Warning 3 = Severe Warning
J1939 Params	J1939 Fiat Def Quality	13616	Uint32	4	R	n/a	1	0 = Not Present 1 = Mild Warning 2 = Moderate Warning 3 = Severe Warning
J1939 Params	J1939 Fiat Def Technical Failure	13618	Uint32	4	R	n/a	1	0 = Not Present 1 = Mild Warning 2 = Moderate Warning 3 = Severe Warning
J1939 Params	J1939 Fiat Engine Over Temperature	13620	Uint32	4	R	n/a	1	1 = PreWarning 2 = Warning
J1939 Params	J1939 Fiat Engine Oil Pressure Low	13622	Uint32	4	R	n/a	1	0 = Normal 1 = Below Operating Range 2 = Reserved

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
J1939 Params	J1939 Fiat Water in Fuel	13624	UInt32	4	R	n/a	1	0 = No 1 = Yes 3 = Error
J1939 Params	J1939 DPF System Lockout	13626	UInt32	4	R	n/a	1	0 = Off 1 = On
J1939 Params	J1939 DPF Temp System Lockout	13628	UInt32	4	R	n/a	1	0 = Off 1 = On
J1939 Params	J1939 DPF Regen Inhibit Due to Accel Pedal Off Idle	13630	UInt32	4	R	n/a	1	0 = Off 1 = On
J1939 Params	J1939 DPF Regen Inhibit Due to Sys Fault Active	13632	UInt32	4	R	n/a	1	0 = Off 1 = On
J1939 Params	J1939 Volvo Number PCD Activations	13634	UInt32	4	R	n/a	1	0 - 65535
J1939 Params	J1939 Volvo Accumulated PCD Time	13636	UInt32	4	R	n/a	1	0 - 65535
J1939 Params	J1939 Volvo PCD Inducement Severity	13638	UInt32	4	R	n/a	1	1 - 2
J1939 Params	J1939 Volvo PCD Inducement Reason	13640	UInt32	4	R	n/a	1	1 - 3
J1939 Params	J1939 Volvo Time Left to Torque Reduction	13642	UInt32	4	R	n/a	1	0 - 6132
J1939 Params	J1939 Volvo Time Left to Severe Torque Reduction	13644	UInt32	4	R	n/a	1	0 - 7665
Independent Meter 1	Active Watt Demand Per Unit	13646	Float	4	R	n/a	1	-999999 - 999999
Independent Meter 1	Active Var Demand Per Unit	13648	Float	4	R	n/a	1	-999999 - 999999

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Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-1	Mode	SG0 1P	20000	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-1	Source	SG0 1P	20002	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG0 1P	20004	Float	4	R W	Volt	1	0 or 1 - 1000
27P-1	Time Delay	SG0 1P	20006	Float	4	R W	Millisecond	100	0 - 600000
27P-1	Alarm Configuration	SG0 1P	20008	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-1	Low-Line Scale	SG0 1P	20010	Float	4	R W	n/a	0.001	0.001 - 3
27P-1	Frequency Inhibit	SG0 1P	20012	Float	4	R W	Hertz	1	0 or 20 - 90
27P-1	Mode	SG0 3P	20014	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-1	Source	SG0 3P	20016	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG0 3P	20018	Float	4	R W	Volt	1	0 or 1 - 1000
27P-1	Time Delay	SG0 3P	20020	Float	4	R W	Millisecond	100	0 - 600000
27P-1	Alarm Configuration	SG0 3P	20022	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-1	Low-Line Scale	SG0 3P	20024	Float	4	R W	n/a	0.001	0.001 - 3
27P-1	Frequency Inhibit	SG0 3P	20026	Float	4	R W	Hertz	1	0 or 20 - 90
27P-1	Mode	SG1 1P	20028	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-1	Source	SG1 1P	20030	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG1 1P	20032	Float	4	R W	Volt	1	0 or 1 - 1000
27P-1	Time Delay	SG1 1P	20034	Float	4	R W	Millisecond	100	0 - 600000
27P-1	Alarm Configuration	SG1 1P	20036	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-1	Low-Line Scale	SG1 1P	20038	Float	4	R W	n/a	0.001	0.001 - 3
27P-1	Frequency Inhibit	SG1 1P	20040	Float	4	R W	Hertz	1	0 or 20 - 90
27P-1	Mode	SG1 3P	20042	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-1	Source	SG1 3P	20044	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG1 3P	20046	Float	4	R W	Volt	1	0 or 1 - 1000
27P-1	Time Delay	SG1 3P	20048	Float	4	R W	Millisecond	100	0 - 600000
27P-1	Alarm Configuration	SG1 3P	20050	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-1	Low-Line Scale	SG1 3P	20052	Float	4	R W	n/a	0.001	0.001 - 3
27P-1	Frequency Inhibit	SG1 3P	20054	Float	4	R W	Hertz	1	0 or 20 - 90
27P-1	Mode	SG2 1P	20056	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-1	Source	SG2 1P	20058	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG2 1P	20060	Float	4	R W	Volt	1	0 or 1 - 1000
27P-1	Time Delay	SG2 1P	20062	Float	4	R W	Millisecond	100	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-1	Alarm Configuration	SG2 1P	20064	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-1	Low-Line Scale	SG2 1P	20066	Float	4	R W	n/a	0.001	0.001 - 3
27P-1	Frequency Inhibit	SG2 1P	20068	Float	4	R W	Hertz	1	0 or 20 - 90
27P-1	Mode	SG2 3P	20070	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-1	Source	SG2 3P	20072	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG2 3P	20074	Float	4	R W	Volt	1	0 or 1 - 1000
27P-1	Time Delay	SG2 3P	20076	Float	4	R W	Millisecond	100	0 - 600000
27P-1	Alarm Configuration	SG2 3P	20078	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-1	Low-Line Scale	SG2 3P	20080	Float	4	R W	n/a	0.001	0.001 - 3
27P-1	Frequency Inhibit	SG2 3P	20082	Float	4	R W	Hertz	1	0 or 20 - 90
27P-1	Mode	SG3 1P	20084	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-1	Source	SG3 1P	20086	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG3 1P	20088	Float	4	R W	Volt	1	0 or 1 - 1000
27P-1	Time Delay	SG3 1P	20090	Float	4	R W	Millisecond	100	0 - 600000
27P-1	Alarm Configuration	SG3 1P	20092	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-1	Low-Line Scale	SG3 1P	20094	Float	4	R W	n/a	0.001	0.001 - 3
27P-1	Frequency Inhibit	SG3 1P	20096	Float	4	R W	Hertz	1	0 or 20 - 90
27P-1	Mode	SG3 3P	20098	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-1	Source	SG3 3P	20100	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-1	Pickup	SG3 3P	20102	Float	4	R W	Volt	1	0 or 1 - 1000
27P-1	Time Delay	SG3 3P	20104	Float	4	R W	Millisecond	100	0 - 600000
27P-1	Alarm Configuration	SG3 3P	20106	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-1	Low-Line Scale	SG3 3P	20108	Float	4	R W	n/a	0.001	0.001 - 3
27P-1	Frequency Inhibit	SG3 3P	20110	Float	4	R W	Hertz	1	0 or 20 - 90
27P-2	Mode	SG0 1P	20112	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-2	Source	SG0 1P	20114	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG0 1P	20116	Float	4	R W	Volt	1	0 or 1 - 1000
27P-2	Time Delay	SG0 1P	20118	Float	4	R W	Millisecond	100	0 - 600000
27P-2	Alarm Configuration	SG0 1P	20120	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-2	Low-Line Scale	SG0 1P	20122	Float	4	R W	n/a	0.001	0.001 - 3
27P-2	Frequency Inhibit	SG0 1P	20124	Float	4	R W	Hertz	1	0 or 20 - 90
27P-2	Mode	SG0 3P	20126	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-2	Source	SG0 3P	20128	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG0 3P	20130	Float	4	R W	Volt	1	0 or 1 - 1000
27P-2	Time Delay	SG0 3P	20132	Float	4	R W	Millisecond	100	0 - 600000
27P-2	Alarm Configuration	SG0 3P	20134	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-2	Low-Line Scale	SG0 3P	20136	Float	4	R W	n/a	0.001	0.001 - 3
27P-2	Frequency Inhibit	SG0 3P	20138	Float	4	R W	Hertz	1	0 or 20 - 90
27P-2	Mode	SG1 1P	20140	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-2	Source	SG1 1P	20142	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG1 1P	20144	Float	4	R W	Volt	1	0 or 1 - 1000
27P-2	Time Delay	SG1 1P	20146	Float	4	R W	Millisecond	100	0 - 600000
27P-2	Alarm Configuration	SG1 1P	20148	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-2	Low-Line Scale	SG1 1P	20150	Float	4	R W	n/a	0.001	0.001 - 3
27P-2	Frequency Inhibit	SG1 1P	20152	Float	4	R W	Hertz	1	0 or 20 - 90
27P-2	Mode	SG1 3P	20154	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-2	Source	SG1 3P	20156	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG1 3P	20158	Float	4	R W	Volt	1	0 or 1 - 1000
27P-2	Time Delay	SG1 3P	20160	Float	4	R W	Millisecond	100	0 - 600000
27P-2	Alarm Configuration	SG1 3P	20162	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-2	Low-Line Scale	SG1 3P	20164	Float	4	R W	n/a	0.001	0.001 - 3
27P-2	Frequency Inhibit	SG1 3P	20166	Float	4	R W	Hertz	1	0 or 20 - 90
27P-2	Mode	SG2 1P	20168	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-2	Source	SG2 1P	20170	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG2 1P	20172	Float	4	R W	Volt	1	0 or 1 - 1000
27P-2	Time Delay	SG2 1P	20174	Float	4	R W	Millisecond	100	0 - 600000
27P-2	Alarm Configuration	SG2 1P	20176	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-2	Low-Line Scale	SG2 1P	20178	Float	4	R W	n/a	0.001	0.001 - 3
27P-2	Frequency Inhibit	SG2 1P	20180	Float	4	R W	Hertz	1	0 or 20 - 90
27P-2	Mode	SG2 3P	20182	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-2	Source	SG2 3P	20184	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG2 3P	20186	Float	4	R W	Volt	1	0 or 1 - 1000
27P-2	Time Delay	SG2 3P	20188	Float	4	R W	Millisecond	100	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-2	Alarm Configuration	SG2 3P	20190	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-2	Low-Line Scale	SG2 3P	20192	Float	4	R W	n/a	0.001	0.001 - 3
27P-2	Frequency Inhibit	SG2 3P	20194	Float	4	R W	Hertz	1	0 or 20 - 90
27P-2	Mode	SG3 1P	20196	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-2	Source	SG3 1P	20198	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG3 1P	20200	Float	4	R W	Volt	1	0 or 1 - 1000
27P-2	Time Delay	SG3 1P	20202	Float	4	R W	Millisecond	100	0 - 600000
27P-2	Alarm Configuration	SG3 1P	20204	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-2	Low-Line Scale	SG3 1P	20206	Float	4	R W	n/a	0.001	0.001 - 3
27P-2	Frequency Inhibit	SG3 1P	20208	Float	4	R W	Hertz	1	0 or 20 - 90
27P-2	Mode	SG3 3P	20210	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-2	Source	SG3 3P	20212	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-2	Pickup	SG3 3P	20214	Float	4	R W	Volt	1	0 or 1 - 1000
27P-2	Time Delay	SG3 3P	20216	Float	4	R W	Millisecond	100	0 - 600000
27P-2	Alarm Configuration	SG3 3P	20218	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-2	Low-Line Scale	SG3 3P	20220	Float	4	R W	n/a	0.001	0.001 - 3
27P-2	Frequency Inhibit	SG3 3P	20222	Float	4	R W	Hertz	1	0 or 20 - 90
27P-3	Mode	SG0 1P	20224	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-3	Source	SG0 1P	20226	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG0 1P	20228	Float	4	R W	Volt	1	0 or 1 - 1000
27P-3	Time Delay	SG0 1P	20230	Float	4	R W	Millisecond	100	0 - 600000
27P-3	Alarm Configuration	SG0 1P	20232	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-3	Low-Line Scale	SG0 1P	20234	Float	4	R W	n/a	0.001	0.001 - 3
27P-3	Frequency Inhibit	SG0 1P	20236	Float	4	R W	Hertz	1	0 or 20 - 90
27P-3	Mode	SG0 3P	20238	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-3	Source	SG0 3P	20240	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG0 3P	20242	Float	4	R W	Volt	1	0 or 1 - 1000
27P-3	Time Delay	SG0 3P	20244	Float	4	R W	Millisecond	100	0 - 600000
27P-3	Alarm Configuration	SG0 3P	20246	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-3	Low-Line Scale	SG0 3P	20248	Float	4	R W	n/a	0.001	0.001 - 3
27P-3	Frequency Inhibit	SG0 3P	20250	Float	4	R W	Hertz	1	0 or 20 - 90
27P-3	Mode	SG1 1P	20252	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Protection Settings Register Table

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-3	Source	SG1 1P	20254	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG1 1P	20256	Float	4	R W	Volt	1	0 or 1 - 1000
27P-3	Time Delay	SG1 1P	20258	Float	4	R W	Millisecond	100	0 - 600000
27P-3	Alarm Configuration	SG1 1P	20260	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-3	Low-Line Scale	SG1 1P	20262	Float	4	R W	n/a	0.001	0.001 - 3
27P-3	Frequency Inhibit	SG1 1P	20264	Float	4	R W	Hertz	1	0 or 20 - 90
27P-3	Mode	SG1 3P	20266	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-3	Source	SG1 3P	20268	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG1 3P	20270	Float	4	R W	Volt	1	0 or 1 - 1000
27P-3	Time Delay	SG1 3P	20272	Float	4	R W	Millisecond	100	0 - 600000
27P-3	Alarm Configuration	SG1 3P	20274	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-3	Low-Line Scale	SG1 3P	20276	Float	4	R W	n/a	0.001	0.001 - 3
27P-3	Frequency Inhibit	SG1 3P	20278	Float	4	R W	Hertz	1	0 or 20 - 90
27P-3	Mode	SG2 1P	20280	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-3	Source	SG2 1P	20282	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG2 1P	20284	Float	4	R W	Volt	1	0 or 1 - 1000
27P-3	Time Delay	SG2 1P	20286	Float	4	R W	Millisecond	100	0 - 600000
27P-3	Alarm Configuration	SG2 1P	20288	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-3	Low-Line Scale	SG2 1P	20290	Float	4	R W	n/a	0.001	0.001 - 3
27P-3	Frequency Inhibit	SG2 1P	20292	Float	4	R W	Hertz	1	0 or 20 - 90
27P-3	Mode	SG2 3P	20294	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-3	Source	SG2 3P	20296	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG2 3P	20298	Float	4	R W	Volt	1	0 or 1 - 1000
27P-3	Time Delay	SG2 3P	20300	Float	4	R W	Millisecond	100	0 - 600000
27P-3	Alarm Configuration	SG2 3P	20302	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-3	Low-Line Scale	SG2 3P	20304	Float	4	R W	n/a	0.001	0.001 - 3
27P-3	Frequency Inhibit	SG2 3P	20306	Float	4	R W	Hertz	1	0 or 20 - 90
27P-3	Mode	SG3 1P	20308	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-3	Source	SG3 1P	20310	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG3 1P	20312	Float	4	R W	Volt	1	0 or 1 - 1000
27P-3	Time Delay	SG3 1P	20314	Float	4	R W	Millisecond	100	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-3	Alarm Configuration	SG3 1P	20316	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-3	Low-Line Scale	SG3 1P	20318	Float	4	R W	n/a	0.001	0.001 - 3
27P-3	Frequency Inhibit	SG3 1P	20320	Float	4	R W	Hertz	1	0 or 20 - 90
27P-3	Mode	SG3 3P	20322	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-3	Source	SG3 3P	20324	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-3	Pickup	SG3 3P	20326	Float	4	R W	Volt	1	0 or 1 - 1000
27P-3	Time Delay	SG3 3P	20328	Float	4	R W	Millisecond	100	0 - 600000
27P-3	Alarm Configuration	SG3 3P	20330	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-3	Low-Line Scale	SG3 3P	20332	Float	4	R W	n/a	0.001	0.001 - 3
27P-3	Frequency Inhibit	SG3 3P	20334	Float	4	R W	Hertz	1	0 or 20 - 90
27P-4	Mode	SG0 1P	20336	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-4	Source	SG0 1P	20338	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG0 1P	20340	Float	4	R W	Volt	1	0 or 1 - 1000
27P-4	Time Delay	SG0 1P	20342	Float	4	R W	Millisecond	100	0 - 600000
27P-4	Alarm Configuration	SG0 1P	20344	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-4	Low-Line Scale	SG0 1P	20346	Float	4	R W	n/a	0.001	0.001 - 3
27P-4	Frequency Inhibit	SG0 1P	20348	Float	4	R W	Hertz	1	0 or 20 - 90
27P-4	Mode	SG0 3P	20350	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-4	Source	SG0 3P	20352	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG0 3P	20354	Float	4	R W	Volt	1	0 or 1 - 1000
27P-4	Time Delay	SG0 3P	20356	Float	4	R W	Millisecond	100	0 - 600000
27P-4	Alarm Configuration	SG0 3P	20358	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-4	Low-Line Scale	SG0 3P	20360	Float	4	R W	n/a	0.001	0.001 - 3
27P-4	Frequency Inhibit	SG0 3P	20362	Float	4	R W	Hertz	1	0 or 20 - 90
27P-4	Mode	SG1 1P	20364	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-4	Source	SG1 1P	20366	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG1 1P	20368	Float	4	R W	Volt	1	0 or 1 - 1000
27P-4	Time Delay	SG1 1P	20370	Float	4	R W	Millisecond	100	0 - 600000
27P-4	Alarm Configuration	SG1 1P	20372	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-4	Low-Line Scale	SG1 1P	20374	Float	4	R W	n/a	0.001	0.001 - 3
27P-4	Frequency Inhibit	SG1 1P	20376	Float	4	R W	Hertz	1	0 or 20 - 90
27P-4	Mode	SG1 3P	20378	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-4	Source	SG1 3P	20380	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG1 3P	20382	Float	4	R W	Volt	1	0 or 1 - 1000
27P-4	Time Delay	SG1 3P	20384	Float	4	R W	Millisecond	100	0 - 600000
27P-4	Alarm Configuration	SG1 3P	20386	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-4	Low-Line Scale	SG1 3P	20388	Float	4	R W	n/a	0.001	0.001 - 3
27P-4	Frequency Inhibit	SG1 3P	20390	Float	4	R W	Hertz	1	0 or 20 - 90
27P-4	Mode	SG2 1P	20392	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-4	Source	SG2 1P	20394	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG2 1P	20396	Float	4	R W	Volt	1	0 or 1 - 1000
27P-4	Time Delay	SG2 1P	20398	Float	4	R W	Millisecond	100	0 - 600000
27P-4	Alarm Configuration	SG2 1P	20400	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-4	Low-Line Scale	SG2 1P	20402	Float	4	R W	n/a	0.001	0.001 - 3
27P-4	Frequency Inhibit	SG2 1P	20404	Float	4	R W	Hertz	1	0 or 20 - 90
27P-4	Mode	SG2 3P	20406	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-4	Source	SG2 3P	20408	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG2 3P	20410	Float	4	R W	Volt	1	0 or 1 - 1000
27P-4	Time Delay	SG2 3P	20412	Float	4	R W	Millisecond	100	0 - 600000
27P-4	Alarm Configuration	SG2 3P	20414	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-4	Low-Line Scale	SG2 3P	20416	Float	4	R W	n/a	0.001	0.001 - 3
27P-4	Frequency Inhibit	SG2 3P	20418	Float	4	R W	Hertz	1	0 or 20 - 90
27P-4	Mode	SG3 1P	20420	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-4	Source	SG3 1P	20422	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG3 1P	20424	Float	4	R W	Volt	1	0 or 1 - 1000
27P-4	Time Delay	SG3 1P	20426	Float	4	R W	Millisecond	100	0 - 600000
27P-4	Alarm Configuration	SG3 1P	20428	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-4	Low-Line Scale	SG3 1P	20430	Float	4	R W	n/a	0.001	0.001 - 3
27P-4	Frequency Inhibit	SG3 1P	20432	Float	4	R W	Hertz	1	0 or 20 - 90
27P-4	Mode	SG3 3P	20434	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-4	Source	SG3 3P	20436	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-4	Pickup	SG3 3P	20438	Float	4	R W	Volt	1	0 or 1 - 1000
27P-4	Time Delay	SG3 3P	20440	Float	4	R W	Millisecond	100	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-4	Alarm Configuration	SG3 3P	20442	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-4	Low-Line Scale	SG3 3P	20444	Float	4	R W	n/a	0.001	0.001 - 3
27P-4	Frequency Inhibit	SG3 3P	20446	Float	4	R W	Hertz	1	0 or 20 - 90
27P-5	Mode	SG0 1P	20448	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-5	Source	SG0 1P	20450	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG0 1P	20452	Float	4	R W	Volt	1	0 or 1 - 1000
27P-5	Time Delay	SG0 1P	20454	Float	4	R W	Millisecond	100	0 - 600000
27P-5	Alarm Configuration	SG0 1P	20456	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-5	Low-Line Scale	SG0 1P	20458	Float	4	R W	n/a	0.001	0.001 - 3
27P-5	Frequency Inhibit	SG0 1P	20460	Float	4	R W	Hertz	1	0 or 20 - 90
27P-5	Mode	SG0 3P	20462	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-5	Source	SG0 3P	20464	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG0 3P	20466	Float	4	R W	Volt	1	0 or 1 - 1000
27P-5	Time Delay	SG0 3P	20468	Float	4	R W	Millisecond	100	0 - 600000
27P-5	Alarm Configuration	SG0 3P	20470	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-5	Low-Line Scale	SG0 3P	20472	Float	4	R W	n/a	0.001	0.001 - 3
27P-5	Frequency Inhibit	SG0 3P	20474	Float	4	R W	Hertz	1	0 or 20 - 90
27P-5	Mode	SG1 1P	20476	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-5	Source	SG1 1P	20478	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG1 1P	20480	Float	4	R W	Volt	1	0 or 1 - 1000
27P-5	Time Delay	SG1 1P	20482	Float	4	R W	Millisecond	100	0 - 600000
27P-5	Alarm Configuration	SG1 1P	20484	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-5	Low-Line Scale	SG1 1P	20486	Float	4	R W	n/a	0.001	0.001 - 3
27P-5	Frequency Inhibit	SG1 1P	20488	Float	4	R W	Hertz	1	0 or 20 - 90
27P-5	Mode	SG1 3P	20490	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-5	Source	SG1 3P	20492	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG1 3P	20494	Float	4	R W	Volt	1	0 or 1 - 1000
27P-5	Time Delay	SG1 3P	20496	Float	4	R W	Millisecond	100	0 - 600000
27P-5	Alarm Configuration	SG1 3P	20498	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-5	Low-Line Scale	SG1 3P	20500	Float	4	R W	n/a	0.001	0.001 - 3
27P-5	Frequency Inhibit	SG1 3P	20502	Float	4	R W	Hertz	1	0 or 20 - 90
27P-5	Mode	SG2 1P	20504	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-5	Source	SG2 1P	20506	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG2 1P	20508	Float	4	R W	Volt	1	0 or 1 - 1000
27P-5	Time Delay	SG2 1P	20510	Float	4	R W	Millisecond	100	0 - 600000
27P-5	Alarm Configuration	SG2 1P	20512	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-5	Low-Line Scale	SG2 1P	20514	Float	4	R W	n/a	0.001	0.001 - 3
27P-5	Frequency Inhibit	SG2 1P	20516	Float	4	R W	Hertz	1	0 or 20 - 90
27P-5	Mode	SG2 3P	20518	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-5	Source	SG2 3P	20520	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG2 3P	20522	Float	4	R W	Volt	1	0 or 1 - 1000
27P-5	Time Delay	SG2 3P	20524	Float	4	R W	Millisecond	100	0 - 600000
27P-5	Alarm Configuration	SG2 3P	20526	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-5	Low-Line Scale	SG2 3P	20528	Float	4	R W	n/a	0.001	0.001 - 3
27P-5	Frequency Inhibit	SG2 3P	20530	Float	4	R W	Hertz	1	0 or 20 - 90
27P-5	Mode	SG3 1P	20532	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-5	Source	SG3 1P	20534	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG3 1P	20536	Float	4	R W	Volt	1	0 or 1 - 1000
27P-5	Time Delay	SG3 1P	20538	Float	4	R W	Millisecond	100	0 - 600000
27P-5	Alarm Configuration	SG3 1P	20540	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-5	Low-Line Scale	SG3 1P	20542	Float	4	R W	n/a	0.001	0.001 - 3
27P-5	Frequency Inhibit	SG3 1P	20544	Float	4	R W	Hertz	1	0 or 20 - 90
27P-5	Mode	SG3 3P	20546	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-5	Source	SG3 3P	20548	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-5	Pickup	SG3 3P	20550	Float	4	R W	Volt	1	0 or 1 - 1000
27P-5	Time Delay	SG3 3P	20552	Float	4	R W	Millisecond	100	0 - 600000
27P-5	Alarm Configuration	SG3 3P	20554	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-5	Low-Line Scale	SG3 3P	20556	Float	4	R W	n/a	0.001	0.001 - 3
27P-5	Frequency Inhibit	SG3 3P	20558	Float	4	R W	Hertz	1	0 or 20 - 90
27P-6	Mode	SG0 1P	20560	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-6	Source	SG0 1P	20562	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG0 1P	20564	Float	4	R W	Volt	1	0 or 1 - 1000
27P-6	Time Delay	SG0 1P	20566	Float	4	R W	Millisecond	100	0 - 600000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-6	Alarm Configuration	SG0 1P	20568	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-6	Low-Line Scale	SG0 1P	20570	Float	4	R W	n/a	0.001	0.001 - 3
27P-6	Frequency Inhibit	SG0 1P	20572	Float	4	R W	Hertz	1	0 or 20 - 90
27P-6	Mode	SG0 3P	20574	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-6	Source	SG0 3P	20576	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG0 3P	20578	Float	4	R W	Volt	1	0 or 1 - 1000
27P-6	Time Delay	SG0 3P	20580	Float	4	R W	Millisecond	100	0 - 600000
27P-6	Alarm Configuration	SG0 3P	20582	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-6	Low-Line Scale	SG0 3P	20584	Float	4	R W	n/a	0.001	0.001 - 3
27P-6	Frequency Inhibit	SG0 3P	20586	Float	4	R W	Hertz	1	0 or 20 - 90
27P-6	Mode	SG1 1P	20588	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-6	Source	SG1 1P	20590	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG1 1P	20592	Float	4	R W	Volt	1	0 or 1 - 1000
27P-6	Time Delay	SG1 1P	20594	Float	4	R W	Millisecond	100	0 - 600000
27P-6	Alarm Configuration	SG1 1P	20596	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-6	Low-Line Scale	SG1 1P	20598	Float	4	R W	n/a	0.001	0.001 - 3
27P-6	Frequency Inhibit	SG1 1P	20600	Float	4	R W	Hertz	1	0 or 20 - 90
27P-6	Mode	SG1 3P	20602	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-6	Source	SG1 3P	20604	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG1 3P	20606	Float	4	R W	Volt	1	0 or 1 - 1000
27P-6	Time Delay	SG1 3P	20608	Float	4	R W	Millisecond	100	0 - 600000
27P-6	Alarm Configuration	SG1 3P	20610	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-6	Low-Line Scale	SG1 3P	20612	Float	4	R W	n/a	0.001	0.001 - 3
27P-6	Frequency Inhibit	SG1 3P	20614	Float	4	R W	Hertz	1	0 or 20 - 90
27P-6	Mode	SG2 1P	20616	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-6	Source	SG2 1P	20618	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG2 1P	20620	Float	4	R W	Volt	1	0 or 1 - 1000
27P-6	Time Delay	SG2 1P	20622	Float	4	R W	Millisecond	100	0 - 600000
27P-6	Alarm Configuration	SG2 1P	20624	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-6	Low-Line Scale	SG2 1P	20626	Float	4	R W	n/a	0.001	0.001 - 3
27P-6	Frequency Inhibit	SG2 1P	20628	Float	4	R W	Hertz	1	0 or 20 - 90
27P-6	Mode	SG2 3P	20630	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-6	Source	SG2 3P	20632	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG2 3P	20634	Float	4	R W	Volt	1	0 or 1 - 1000
27P-6	Time Delay	SG2 3P	20636	Float	4	R W	Millisecond	100	0 - 600000
27P-6	Alarm Configuration	SG2 3P	20638	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-6	Low-Line Scale	SG2 3P	20640	Float	4	R W	n/a	0.001	0.001 - 3
27P-6	Frequency Inhibit	SG2 3P	20642	Float	4	R W	Hertz	1	0 or 20 - 90
27P-6	Mode	SG3 1P	20644	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-6	Source	SG3 1P	20646	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG3 1P	20648	Float	4	R W	Volt	1	0 or 1 - 1000
27P-6	Time Delay	SG3 1P	20650	Float	4	R W	Millisecond	100	0 - 600000
27P-6	Alarm Configuration	SG3 1P	20652	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-6	Low-Line Scale	SG3 1P	20654	Float	4	R W	n/a	0.001	0.001 - 3
27P-6	Frequency Inhibit	SG3 1P	20656	Float	4	R W	Hertz	1	0 or 20 - 90
27P-6	Mode	SG3 3P	20658	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
27P-6	Source	SG3 3P	20660	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
27P-6	Pickup	SG3 3P	20662	Float	4	R W	Volt	1	0 or 1 - 1000
27P-6	Time Delay	SG3 3P	20664	Float	4	R W	Millisecond	100	0 - 600000
27P-6	Alarm Configuration	SG3 3P	20666	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
27P-6	Low-Line Scale	SG3 3P	20668	Float	4	R W	n/a	0.001	0.001 - 3
27P-6	Frequency Inhibit	SG3 3P	20670	Float	4	R W	Hertz	1	0 or 20 - 90
59P-1	Mode	SG0 1P	20672	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-1	Source	SG0 1P	20674	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG0 1P	20676	Float	4	R W	Volt	1	0 or 1 - 1000
59P-1	Time Delay	SG0 1P	20678	Float	4	R W	Millisecond	100	0 - 600000
59P-1	Alarm Configuration	SG0 1P	20680	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-1	Low-Line Scale	SG0 1P	20682	Float	4	R W	n/a	0.001	0.001 - 3
59P-1	Mode	SG0 3P	20684	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-1	Source	SG0 3P	20686	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG0 3P	20688	Float	4	R W	Volt	1	0 or 1 - 1000
59P-1	Time Delay	SG0 3P	20690	Float	4	R W	Millisecond	100	0 - 600000
59P-1	Alarm Configuration	SG0 3P	20692	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-1	Low-Line Scale	SG0 3P	20694	Float	4	R W	n/a	0.001	0.001 - 3
59P-1	Mode	SG1 1P	20696	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-1	Source	SG1 1P	20698	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG1 1P	20700	Float	4	R W	Volt	1	0 or 1 - 1000
59P-1	Time Delay	SG1 1P	20702	Float	4	R W	Millisecond	100	0 - 600000
59P-1	Alarm Configuration	SG1 1P	20704	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-1	Low-Line Scale	SG1 1P	20706	Float	4	R W	n/a	0.001	0.001 - 3
59P-1	Mode	SG1 3P	20708	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-1	Source	SG1 3P	20710	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG1 3P	20712	Float	4	R W	Volt	1	0 or 1 - 1000
59P-1	Time Delay	SG1 3P	20714	Float	4	R W	Millisecond	100	0 - 600000
59P-1	Alarm Configuration	SG1 3P	20716	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-1	Low-Line Scale	SG1 3P	20718	Float	4	R W	n/a	0.001	0.001 - 3
59P-1	Mode	SG2 1P	20720	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-1	Source	SG2 1P	20722	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG2 1P	20724	Float	4	R W	Volt	1	0 or 1 - 1000
59P-1	Time Delay	SG2 1P	20726	Float	4	R W	Millisecond	100	0 - 600000
59P-1	Alarm Configuration	SG2 1P	20728	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-1	Low-Line Scale	SG2 1P	20730	Float	4	R W	n/a	0.001	0.001 - 3
59P-1	Mode	SG2 3P	20732	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-1	Source	SG2 3P	20734	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG2 3P	20736	Float	4	R W	Volt	1	0 or 1 - 1000
59P-1	Time Delay	SG2 3P	20738	Float	4	R W	Millisecond	100	0 - 600000
59P-1	Alarm Configuration	SG2 3P	20740	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-1	Low-Line Scale	SG2 3P	20742	Float	4	R W	n/a	0.001	0.001 - 3
59P-1	Mode	SG3 1P	20744	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-1	Source	SG3 1P	20746	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG3 1P	20748	Float	4	R W	Volt	1	0 or 1 - 1000
59P-1	Time Delay	SG3 1P	20750	Float	4	R W	Millisecond	100	0 - 600000
59P-1	Alarm Configuration	SG3 1P	20752	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-1	Low-Line Scale	SG3 1P	20754	Float	4	R W	n/a	0.001	0.001 - 3
59P-1	Mode	SG3 3P	20756	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-1	Source	SG3 3P	20758	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-1	Pickup	SG3 3P	20760	Float	4	R W	Volt	1	0 or 1 - 1000
59P-1	Time Delay	SG3 3P	20762	Float	4	R W	Millisecond	100	0 - 600000
59P-1	Alarm Configuration	SG3 3P	20764	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-1	Low-Line Scale	SG3 3P	20766	Float	4	R W	n/a	0.001	0.001 - 3
59P-2	Mode	SG0 1P	20768	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-2	Source	SG0 1P	20770	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG0 1P	20772	Float	4	R W	Volt	1	0 or 1 - 1000
59P-2	Time Delay	SG0 1P	20774	Float	4	R W	Millisecond	100	0 - 600000
59P-2	Alarm Configuration	SG0 1P	20776	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-2	Low-Line Scale	SG0 1P	20778	Float	4	R W	n/a	0.001	0.001 - 3
59P-2	Mode	SG0 3P	20780	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-2	Source	SG0 3P	20782	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG0 3P	20784	Float	4	R W	Volt	1	0 or 1 - 1000
59P-2	Time Delay	SG0 3P	20786	Float	4	R W	Millisecond	100	0 - 600000
59P-2	Alarm Configuration	SG0 3P	20788	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-2	Low-Line Scale	SG0 3P	20790	Float	4	R W	n/a	0.001	0.001 - 3
59P-2	Mode	SG1 1P	20792	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-2	Source	SG1 1P	20794	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG1 1P	20796	Float	4	R W	Volt	1	0 or 1 - 1000
59P-2	Time Delay	SG1 1P	20798	Float	4	R W	Millisecond	100	0 - 600000
59P-2	Alarm Configuration	SG1 1P	20800	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-2	Low-Line Scale	SG1 1P	20802	Float	4	R W	n/a	0.001	0.001 - 3
59P-2	Mode	SG1 3P	20804	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-2	Source	SG1 3P	20806	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG1 3P	20808	Float	4	R W	Volt	1	0 or 1 - 1000
59P-2	Time Delay	SG1 3P	20810	Float	4	R W	Millisecond	100	0 - 600000
59P-2	Alarm Configuration	SG1 3P	20812	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-2	Low-Line Scale	SG1 3P	20814	Float	4	R W	n/a	0.001	0.001 - 3
59P-2	Mode	SG2 1P	20816	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-2	Source	SG2 1P	20818	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG2 1P	20820	Float	4	R W	Volt	1	0 or 1 - 1000
59P-2	Time Delay	SG2 1P	20822	Float	4	R W	Millisecond	100	0 - 600000
59P-2	Alarm Configuration	SG2 1P	20824	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-2	Low-Line Scale	SG2 1P	20826	Float	4	R W	n/a	0.001	0.001 - 3
59P-2	Mode	SG2 3P	20828	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-2	Source	SG2 3P	20830	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG2 3P	20832	Float	4	R W	Volt	1	0 or 1 - 1000
59P-2	Time Delay	SG2 3P	20834	Float	4	R W	Millisecond	100	0 - 600000
59P-2	Alarm Configuration	SG2 3P	20836	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-2	Low-Line Scale	SG2 3P	20838	Float	4	R W	n/a	0.001	0.001 - 3
59P-2	Mode	SG3 1P	20840	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-2	Source	SG3 1P	20842	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG3 1P	20844	Float	4	R W	Volt	1	0 or 1 - 1000
59P-2	Time Delay	SG3 1P	20846	Float	4	R W	Millisecond	100	0 - 600000
59P-2	Alarm Configuration	SG3 1P	20848	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-2	Low-Line Scale	SG3 1P	20850	Float	4	R W	n/a	0.001	0.001 - 3
59P-2	Mode	SG3 3P	20852	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-2	Source	SG3 3P	20854	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-2	Pickup	SG3 3P	20856	Float	4	R W	Volt	1	0 or 1 - 1000
59P-2	Time Delay	SG3 3P	20858	Float	4	R W	Millisecond	100	0 - 600000
59P-2	Alarm Configuration	SG3 3P	20860	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-2	Low-Line Scale	SG3 3P	20862	Float	4	R W	n/a	0.001	0.001 - 3
59P-3	Mode	SG0 1P	20864	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-3	Source	SG0 1P	20866	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG0 1P	20868	Float	4	R W	Volt	1	0 or 1 - 1000
59P-3	Time Delay	SG0 1P	20870	Float	4	R W	Millisecond	100	0 - 600000
59P-3	Alarm Configuration	SG0 1P	20872	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-3	Low-Line Scale	SG0 1P	20874	Float	4	R W	n/a	0.001	0.001 - 3
59P-3	Mode	SG0 3P	20876	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-3	Source	SG0 3P	20878	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG0 3P	20880	Float	4	R W	Volt	1	0 or 1 - 1000
59P-3	Time Delay	SG0 3P	20882	Float	4	R W	Millisecond	100	0 - 600000
59P-3	Alarm Configuration	SG0 3P	20884	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-3	Low-Line Scale	SG0 3P	20886	Float	4	R W	n/a	0.001	0.001 - 3
59P-3	Mode	SG1 1P	20888	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-3	Source	SG1 1P	20890	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG1 1P	20892	Float	4	R W	Volt	1	0 or 1 - 1000
59P-3	Time Delay	SG1 1P	20894	Float	4	R W	Millisecond	100	0 - 600000
59P-3	Alarm Configuration	SG1 1P	20896	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-3	Low-Line Scale	SG1 1P	20898	Float	4	R W	n/a	0.001	0.001 - 3
59P-3	Mode	SG1 3P	20900	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-3	Source	SG1 3P	20902	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG1 3P	20904	Float	4	R W	Volt	1	0 or 1 - 1000
59P-3	Time Delay	SG1 3P	20906	Float	4	R W	Millisecond	100	0 - 600000
59P-3	Alarm Configuration	SG1 3P	20908	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-3	Low-Line Scale	SG1 3P	20910	Float	4	R W	n/a	0.001	0.001 - 3
59P-3	Mode	SG2 1P	20912	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-3	Source	SG2 1P	20914	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG2 1P	20916	Float	4	R W	Volt	1	0 or 1 - 1000
59P-3	Time Delay	SG2 1P	20918	Float	4	R W	Millisecond	100	0 - 600000
59P-3	Alarm Configuration	SG2 1P	20920	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-3	Low-Line Scale	SG2 1P	20922	Float	4	R W	n/a	0.001	0.001 - 3
59P-3	Mode	SG2 3P	20924	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-3	Source	SG2 3P	20926	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG2 3P	20928	Float	4	R W	Volt	1	0 or 1 - 1000
59P-3	Time Delay	SG2 3P	20930	Float	4	R W	Millisecond	100	0 - 600000
59P-3	Alarm Configuration	SG2 3P	20932	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-3	Low-Line Scale	SG2 3P	20934	Float	4	R W	n/a	0.001	0.001 - 3
59P-3	Mode	SG3 1P	20936	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-3	Source	SG3 1P	20938	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG3 1P	20940	Float	4	R W	Volt	1	0 or 1 - 1000
59P-3	Time Delay	SG3 1P	20942	Float	4	R W	Millisecond	100	0 - 600000
59P-3	Alarm Configuration	SG3 1P	20944	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-3	Low-Line Scale	SG3 1P	20946	Float	4	R W	n/a	0.001	0.001 - 3
59P-3	Mode	SG3 3P	20948	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-3	Source	SG3 3P	20950	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-3	Pickup	SG3 3P	20952	Float	4	R W	Volt	1	0 or 1 - 1000
59P-3	Time Delay	SG3 3P	20954	Float	4	R W	Millisecond	100	0 - 600000
59P-3	Alarm Configuration	SG3 3P	20956	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-3	Low-Line Scale	SG3 3P	20958	Float	4	R W	n/a	0.001	0.001 - 3
59P-4	Mode	SG0 1P	20960	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-4	Source	SG0 1P	20962	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG0 1P	20964	Float	4	R W	Volt	1	0 or 1 - 1000
59P-4	Time Delay	SG0 1P	20966	Float	4	R W	Millisecond	100	0 - 600000
59P-4	Alarm Configuration	SG0 1P	20968	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-4	Low-Line Scale	SG0 1P	20970	Float	4	R W	n/a	0.001	0.001 - 3
59P-4	Mode	SG0 3P	20972	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-4	Source	SG0 3P	20974	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG0 3P	20976	Float	4	R W	Volt	1	0 or 1 - 1000
59P-4	Time Delay	SG0 3P	20978	Float	4	R W	Millisecond	100	0 - 600000
59P-4	Alarm Configuration	SG0 3P	20980	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-4	Low-Line Scale	SG0 3P	20982	Float	4	R W	n/a	0.001	0.001 - 3
59P-4	Mode	SG1 1P	20984	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-4	Source	SG1 1P	20986	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG1 1P	20988	Float	4	R W	Volt	1	0 or 1 - 1000
59P-4	Time Delay	SG1 1P	20990	Float	4	R W	Millisecond	100	0 - 600000
59P-4	Alarm Configuration	SG1 1P	20992	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-4	Low-Line Scale	SG1 1P	20994	Float	4	R W	n/a	0.001	0.001 - 3
59P-4	Mode	SG1 3P	20996	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-4	Source	SG1 3P	20998	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG1 3P	21000	Float	4	R W	Volt	1	0 or 1 - 1000
59P-4	Time Delay	SG1 3P	21002	Float	4	R W	Millisecond	100	0 - 600000
59P-4	Alarm Configuration	SG1 3P	21004	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-4	Low-Line Scale	SG1 3P	21006	Float	4	R W	n/a	0.001	0.001 - 3
59P-4	Mode	SG2 1P	21008	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-4	Source	SG2 1P	21010	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG2 1P	21012	Float	4	R W	Volt	1	0 or 1 - 1000
59P-4	Time Delay	SG2 1P	21014	Float	4	R W	Millisecond	100	0 - 600000
59P-4	Alarm Configuration	SG2 1P	21016	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-4	Low-Line Scale	SG2 1P	21018	Float	4	R W	n/a	0.001	0.001 - 3
59P-4	Mode	SG2 3P	21020	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-4	Source	SG2 3P	21022	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG2 3P	21024	Float	4	R W	Volt	1	0 or 1 - 1000
59P-4	Time Delay	SG2 3P	21026	Float	4	R W	Millisecond	100	0 - 600000
59P-4	Alarm Configuration	SG2 3P	21028	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-4	Low-Line Scale	SG2 3P	21030	Float	4	R W	n/a	0.001	0.001 - 3
59P-4	Mode	SG3 1P	21032	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-4	Source	SG3 1P	21034	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG3 1P	21036	Float	4	R W	Volt	1	0 or 1 - 1000
59P-4	Time Delay	SG3 1P	21038	Float	4	R W	Millisecond	100	0 - 600000
59P-4	Alarm Configuration	SG3 1P	21040	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-4	Low-Line Scale	SG3 1P	21042	Float	4	R W	n/a	0.001	0.001 - 3
59P-4	Mode	SG3 3P	21044	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-4	Source	SG3 3P	21046	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-4	Pickup	SG3 3P	21048	Float	4	R W	Volt	1	0 or 1 - 1000
59P-4	Time Delay	SG3 3P	21050	Float	4	R W	Millisecond	100	0 - 600000
59P-4	Alarm Configuration	SG3 3P	21052	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-4	Low-Line Scale	SG3 3P	21054	Float	4	R W	n/a	0.001	0.001 - 3
59P-5	Mode	SG0 1P	21056	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-5	Source	SG0 1P	21058	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG0 1P	21060	Float	4	R W	Volt	1	0 or 1 - 1000
59P-5	Time Delay	SG0 1P	21062	Float	4	R W	Millisecond	100	0 - 600000
59P-5	Alarm Configuration	SG0 1P	21064	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-5	Low-Line Scale	SG0 1P	21066	Float	4	R W	n/a	0.001	0.001 - 3
59P-5	Mode	SG0 3P	21068	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-5	Source	SG0 3P	21070	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG0 3P	21072	Float	4	R W	Volt	1	0 or 1 - 1000
59P-5	Time Delay	SG0 3P	21074	Float	4	R W	Millisecond	100	0 - 600000
59P-5	Alarm Configuration	SG0 3P	21076	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-5	Low-Line Scale	SG0 3P	21078	Float	4	R W	n/a	0.001	0.001 - 3
59P-5	Mode	SG1 1P	21080	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-5	Source	SG1 1P	21082	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG1 1P	21084	Float	4	R W	Volt	1	0 or 1 - 1000
59P-5	Time Delay	SG1 1P	21086	Float	4	R W	Millisecond	100	0 - 600000
59P-5	Alarm Configuration	SG1 1P	21088	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-5	Low-Line Scale	SG1 1P	21090	Float	4	R W	n/a	0.001	0.001 - 3
59P-5	Mode	SG1 3P	21092	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-5	Source	SG1 3P	21094	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG1 3P	21096	Float	4	R W	Volt	1	0 or 1 - 1000
59P-5	Time Delay	SG1 3P	21098	Float	4	R W	Millisecond	100	0 - 600000
59P-5	Alarm Configuration	SG1 3P	21100	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-5	Low-Line Scale	SG1 3P	21102	Float	4	R W	n/a	0.001	0.001 - 3
59P-5	Mode	SG2 1P	21104	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-5	Source	SG2 1P	21106	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG2 1P	21108	Float	4	R W	Volt	1	0 or 1 - 1000
59P-5	Time Delay	SG2 1P	21110	Float	4	R W	Millisecond	100	0 - 600000
59P-5	Alarm Configuration	SG2 1P	21112	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-5	Low-Line Scale	SG2 1P	21114	Float	4	R W	n/a	0.001	0.001 - 3
59P-5	Mode	SG2 3P	21116	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-5	Source	SG2 3P	21118	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG2 3P	21120	Float	4	R W	Volt	1	0 or 1 - 1000
59P-5	Time Delay	SG2 3P	21122	Float	4	R W	Millisecond	100	0 - 600000
59P-5	Alarm Configuration	SG2 3P	21124	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-5	Low-Line Scale	SG2 3P	21126	Float	4	R W	n/a	0.001	0.001 - 3
59P-5	Mode	SG3 1P	21128	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-5	Source	SG3 1P	21130	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG3 1P	21132	Float	4	R W	Volt	1	0 or 1 - 1000
59P-5	Time Delay	SG3 1P	21134	Float	4	R W	Millisecond	100	0 - 600000
59P-5	Alarm Configuration	SG3 1P	21136	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-5	Low-Line Scale	SG3 1P	21138	Float	4	R W	n/a	0.001	0.001 - 3
59P-5	Mode	SG3 3P	21140	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-5	Source	SG3 3P	21142	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-5	Pickup	SG3 3P	21144	Float	4	R W	Volt	1	0 or 1 - 1000
59P-5	Time Delay	SG3 3P	21146	Float	4	R W	Millisecond	100	0 - 600000
59P-5	Alarm Configuration	SG3 3P	21148	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-5	Low-Line Scale	SG3 3P	21150	Float	4	R W	n/a	0.001	0.001 - 3
59P-6	Mode	SG0 1P	21152	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-6	Source	SG0 1P	21154	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG0 1P	21156	Float	4	R W	Volt	1	0 or 1 - 1000
59P-6	Time Delay	SG0 1P	21158	Float	4	R W	Millisecond	100	0 - 600000
59P-6	Alarm Configuration	SG0 1P	21160	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-6	Low-Line Scale	SG0 1P	21162	Float	4	R W	n/a	0.001	0.001 - 3
59P-6	Mode	SG0 3P	21164	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-6	Source	SG0 3P	21166	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG0 3P	21168	Float	4	R W	Volt	1	0 or 1 - 1000
59P-6	Time Delay	SG0 3P	21170	Float	4	R W	Millisecond	100	0 - 600000
59P-6	Alarm Configuration	SG0 3P	21172	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-6	Low-Line Scale	SG0 3P	21174	Float	4	R W	n/a	0.001	0.001 - 3
59P-6	Mode	SG1 1P	21176	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-6	Source	SG1 1P	21178	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG1 1P	21180	Float	4	R W	Volt	1	0 or 1 - 1000
59P-6	Time Delay	SG1 1P	21182	Float	4	R W	Millisecond	100	0 - 600000
59P-6	Alarm Configuration	SG1 1P	21184	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-6	Low-Line Scale	SG1 1P	21186	Float	4	R W	n/a	0.001	0.001 - 3
59P-6	Mode	SG1 3P	21188	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-6	Source	SG1 3P	21190	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG1 3P	21192	Float	4	R W	Volt	1	0 or 1 - 1000
59P-6	Time Delay	SG1 3P	21194	Float	4	R W	Millisecond	100	0 - 600000
59P-6	Alarm Configuration	SG1 3P	21196	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-6	Low-Line Scale	SG1 3P	21198	Float	4	R W	n/a	0.001	0.001 - 3
59P-6	Mode	SG2 1P	21200	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-6	Source	SG2 1P	21202	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG2 1P	21204	Float	4	R W	Volt	1	0 or 1 - 1000
59P-6	Time Delay	SG2 1P	21206	Float	4	R W	Millisecond	100	0 - 600000
59P-6	Alarm Configuration	SG2 1P	21208	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-6	Low-Line Scale	SG2 1P	21210	Float	4	R W	n/a	0.001	0.001 - 3
59P-6	Mode	SG2 3P	21212	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-6	Source	SG2 3P	21214	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG2 3P	21216	Float	4	R W	Volt	1	0 or 1 - 1000
59P-6	Time Delay	SG2 3P	21218	Float	4	R W	Millisecond	100	0 - 600000
59P-6	Alarm Configuration	SG2 3P	21220	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-6	Low-Line Scale	SG2 3P	21222	Float	4	R W	n/a	0.001	0.001 - 3
59P-6	Mode	SG3 1P	21224	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-6	Source	SG3 1P	21226	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG3 1P	21228	Float	4	R W	Volt	1	0 or 1 - 1000
59P-6	Time Delay	SG3 1P	21230	Float	4	R W	Millisecond	100	0 - 600000
59P-6	Alarm Configuration	SG3 1P	21232	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
59P-6	Low-Line Scale	SG3 1P	21234	Float	4	R W	n/a	0.001	0.001 - 3
59P-6	Mode	SG3 3P	21236	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
59P-6	Source	SG3 3P	21238	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
59P-6	Pickup	SG3 3P	21240	Float	4	R W	Volt	1	0 or 1 - 1000
59P-6	Time Delay	SG3 3P	21242	Float	4	R W	Millisecond	100	0 - 600000
59P-6	Alarm Configuration	SG3 3P	21244	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
59P-6	Low-Line Scale	SG3 3P	21246	Float	4	R W	n/a	0.001	0.001 - 3
47-1	Mode	SG0	21248	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-1	Source	SG0	21250	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-1	Pickup	SG0	21252	Float	4	R W	Volt	1	1 - 150
47-1	Time Delay	SG0	21254	Float	4	R W	Millisecond	100	0 - 600000
47-1	Alarm Configuration	SG0	21256	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-1	Low-Line Scale	SG0	21258	Float	4	R W	n/a	0.001	0.001 - 3
47-1	Mode	SG1	21260	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-1	Source	SG1	21262	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-1	Pickup	SG1	21264	Float	4	R W	Volt	1	1 - 150
47-1	Time Delay	SG1	21266	Float	4	R W	Millisecond	100	0 - 600000
47-1	Alarm Configuration	SG1	21268	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-1	Low-Line Scale	SG1	21270	Float	4	R W	n/a	0.001	0.001 - 3
47-1	Mode	SG2	21272	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-1	Source	SG2	21274	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-1	Pickup	SG2	21276	Float	4	R W	Volt	1	1 - 150
47-1	Time Delay	SG2	21278	Float	4	R W	Millisecond	100	0 - 600000
47-1	Alarm Configuration	SG2	21280	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-1	Low-Line Scale	SG2	21282	Float	4	R W	n/a	0.001	0.001 - 3
47-1	Mode	SG3	21284	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-1	Source	SG3	21286	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-1	Pickup	SG3	21288	Float	4	R W	Volt	1	1 - 150
47-1	Time Delay	SG3	21290	Float	4	R W	Millisecond	100	0 - 600000
47-1	Alarm Configuration	SG3	21292	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
47-1	Low-Line Scale	SG3	21294	Float	4	R W	n/a	0.001	0.001 - 3
47-2	Mode	SG0	21296	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-2	Source	SG0	21298	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-2	Pickup	SG0	21300	Float	4	R W	Volt	1	1 - 150
47-2	Time Delay	SG0	21302	Float	4	R W	Millisecond	100	0 - 600000
47-2	Alarm Configuration	SG0	21304	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-2	Low-Line Scale	SG0	21306	Float	4	R W	n/a	0.001	0.001 - 3
47-2	Mode	SG1	21308	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-2	Source	SG1	21310	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-2	Pickup	SG1	21312	Float	4	R W	Volt	1	1 - 150
47-2	Time Delay	SG1	21314	Float	4	R W	Millisecond	100	0 - 600000
47-2	Alarm Configuration	SG1	21316	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-2	Low-Line Scale	SG1	21318	Float	4	R W	n/a	0.001	0.001 - 3
47-2	Mode	SG2	21320	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-2	Source	SG2	21322	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-2	Pickup	SG2	21324	Float	4	R W	Volt	1	1 - 150
47-2	Time Delay	SG2	21326	Float	4	R W	Millisecond	100	0 - 600000
47-2	Alarm Configuration	SG2	21328	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-2	Low-Line Scale	SG2	21330	Float	4	R W	n/a	0.001	0.001 - 3
47-2	Mode	SG3	21332	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-2	Source	SG3	21334	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-2	Pickup	SG3	21336	Float	4	R W	Volt	1	1 - 150
47-2	Time Delay	SG3	21338	Float	4	R W	Millisecond	100	0 - 600000
47-2	Alarm Configuration	SG3	21340	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-2	Low-Line Scale	SG3	21342	Float	4	R W	n/a	0.001	0.001 - 3
47-3	Mode	SG0	21344	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-3	Source	SG0	21346	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-3	Pickup	SG0	21348	Float	4	R W	Volt	1	1 - 150
47-3	Time Delay	SG0	21350	Float	4	R W	Millisecond	100	0 - 600000
47-3	Alarm Configuration	SG0	21352	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
47-3	Low-Line Scale	SG0	21354	Float	4	R W	n/a	0.001	0.001 - 3
47-3	Mode	SG1	21356	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-3	Source	SG1	21358	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-3	Pickup	SG1	21360	Float	4	R W	Volt	1	1 - 150
47-3	Time Delay	SG1	21362	Float	4	R W	Millisecond	100	0 - 600000
47-3	Alarm Configuration	SG1	21364	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-3	Low-Line Scale	SG1	21366	Float	4	R W	n/a	0.001	0.001 - 3
47-3	Mode	SG2	21368	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-3	Source	SG2	21370	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-3	Pickup	SG2	21372	Float	4	R W	Volt	1	1 - 150
47-3	Time Delay	SG2	21374	Float	4	R W	Millisecond	100	0 - 600000
47-3	Alarm Configuration	SG2	21376	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-3	Low-Line Scale	SG2	21378	Float	4	R W	n/a	0.001	0.001 - 3
47-3	Mode	SG3	21380	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-3	Source	SG3	21382	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-3	Pickup	SG3	21384	Float	4	R W	Volt	1	1 - 150
47-3	Time Delay	SG3	21386	Float	4	R W	Millisecond	100	0 - 600000
47-3	Alarm Configuration	SG3	21388	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-3	Low-Line Scale	SG3	21390	Float	4	R W	n/a	0.001	0.001 - 3
47-4	Mode	SG0	21392	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-4	Source	SG0	21394	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-4	Pickup	SG0	21396	Float	4	R W	Volt	1	1 - 150
47-4	Time Delay	SG0	21398	Float	4	R W	Millisecond	100	0 - 600000
47-4	Alarm Configuration	SG0	21400	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-4	Low-Line Scale	SG0	21402	Float	4	R W	n/a	0.001	0.001 - 3
47-4	Mode	SG1	21404	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-4	Source	SG1	21406	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-4	Pickup	SG1	21408	Float	4	R W	Volt	1	1 - 150
47-4	Time Delay	SG1	21410	Float	4	R W	Millisecond	100	0 - 600000
47-4	Alarm Configuration	SG1	21412	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
47-4	Low-Line Scale	SG1	21414	Float	4	R W	n/a	0.001	0.001 - 3
47-4	Mode	SG2	21416	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-4	Source	SG2	21418	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-4	Pickup	SG2	21420	Float	4	R W	Volt	1	1 - 150
47-4	Time Delay	SG2	21422	Float	4	R W	Millisecond	100	0 - 600000
47-4	Alarm Configuration	SG2	21424	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-4	Low-Line Scale	SG2	21426	Float	4	R W	n/a	0.001	0.001 - 3
47-4	Mode	SG3	21428	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-4	Source	SG3	21430	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-4	Pickup	SG3	21432	Float	4	R W	Volt	1	1 - 150
47-4	Time Delay	SG3	21434	Float	4	R W	Millisecond	100	0 - 600000
47-4	Alarm Configuration	SG3	21436	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-4	Low-Line Scale	SG3	21438	Float	4	R W	n/a	0.001	0.001 - 3
47-5	Mode	SG0	21440	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-5	Source	SG0	21442	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-5	Pickup	SG0	21444	Float	4	R W	Volt	1	1 - 150
47-5	Time Delay	SG0	21446	Float	4	R W	Millisecond	100	0 - 600000
47-5	Alarm Configuration	SG0	21448	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-5	Low-Line Scale	SG0	21450	Float	4	R W	n/a	0.001	0.001 - 3
47-5	Mode	SG1	21452	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-5	Source	SG1	21454	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-5	Pickup	SG1	21456	Float	4	R W	Volt	1	1 - 150
47-5	Time Delay	SG1	21458	Float	4	R W	Millisecond	100	0 - 600000
47-5	Alarm Configuration	SG1	21460	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-5	Low-Line Scale	SG1	21462	Float	4	R W	n/a	0.001	0.001 - 3
47-5	Mode	SG2	21464	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-5	Source	SG2	21466	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-5	Pickup	SG2	21468	Float	4	R W	Volt	1	1 - 150
47-5	Time Delay	SG2	21470	Float	4	R W	Millisecond	100	0 - 600000
47-5	Alarm Configuration	SG2	21472	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
47-5	Low-Line Scale	SG2	21474	Float	4	R W	n/a	0.001	0.001 - 3
47-5	Mode	SG3	21476	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-5	Source	SG3	21478	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-5	Pickup	SG3	21480	Float	4	R W	Volt	1	1 - 150
47-5	Time Delay	SG3	21482	Float	4	R W	Millisecond	100	0 - 600000
47-5	Alarm Configuration	SG3	21484	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-5	Low-Line Scale	SG3	21486	Float	4	R W	n/a	0.001	0.001 - 3
47-6	Mode	SG0	21488	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-6	Source	SG0	21490	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-6	Pickup	SG0	21492	Float	4	R W	Volt	1	1 - 150
47-6	Time Delay	SG0	21494	Float	4	R W	Millisecond	100	0 - 600000
47-6	Alarm Configuration	SG0	21496	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-6	Low-Line Scale	SG0	21498	Float	4	R W	n/a	0.001	0.001 - 3
47-6	Mode	SG1	21500	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-6	Source	SG1	21502	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-6	Pickup	SG1	21504	Float	4	R W	Volt	1	1 - 150
47-6	Time Delay	SG1	21506	Float	4	R W	Millisecond	100	0 - 600000
47-6	Alarm Configuration	SG1	21508	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-6	Low-Line Scale	SG1	21510	Float	4	R W	n/a	0.001	0.001 - 3
47-6	Mode	SG2	21512	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-6	Source	SG2	21514	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-6	Pickup	SG2	21516	Float	4	R W	Volt	1	1 - 150
47-6	Time Delay	SG2	21518	Float	4	R W	Millisecond	100	0 - 600000
47-6	Alarm Configuration	SG2	21520	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
47-6	Low-Line Scale	SG2	21522	Float	4	R W	n/a	0.001	0.001 - 3
47-6	Mode	SG3	21524	Uint32	4	R W	n/a	n/a	Disabled=0 V2=3
47-6	Source	SG3	21526	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
47-6	Pickup	SG3	21528	Float	4	R W	Volt	1	1 - 150
47-6	Time Delay	SG3	21530	Float	4	R W	Millisecond	100	0 - 600000
47-6	Alarm Configuration	SG3	21532	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
47-6	Low-Line Scale	SG3	21534	Float	4	R W	n/a	0.001	0.001 - 3
81-1	Mode	SG0	21536	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-1	Source	SG0	21538	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-1	Pickup	SG0	21540	Float	4	R W	Hertz	0.01	37.5 - 66
81-1	User Dropout Level	SG0	21542	Float	4	R W	Hertz	0.1	0.1 - 40
81-1	Time Delay	SG0	21544	Float	4	R W	Millisecond	100	0 - 600000
81-1	Voltage Inhibit	SG0	21546	Float	4	R W	Percent	1	1 - 100
81-1	Alarm Configuration	SG0	21548	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-1	Mode	SG1	21550	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-1	Source	SG1	21552	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-1	Pickup	SG1	21554	Float	4	R W	Hertz	0.01	37.5 - 66
81-1	User Dropout Level	SG1	21556	Float	4	R W	Hertz	0.1	0.1 - 40
81-1	Time Delay	SG1	21558	Float	4	R W	Millisecond	100	0 - 600000
81-1	Voltage Inhibit	SG1	21560	Float	4	R W	Percent	1	1 - 100
81-1	Alarm Configuration	SG1	21562	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-1	Mode	SG2	21564	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-1	Source	SG2	21566	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-1	Pickup	SG2	21568	Float	4	R W	Hertz	0.01	37.5 - 66
81-1	User Dropout Level	SG2	21570	Float	4	R W	Hertz	0.1	0.1 - 40
81-1	Time Delay	SG2	21572	Float	4	R W	Millisecond	100	0 - 600000
81-1	Voltage Inhibit	SG2	21574	Float	4	R W	Percent	1	1 - 100
81-1	Alarm Configuration	SG2	21576	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-1	Mode	SG3	21578	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-1	Source	SG3	21580	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-1	Pickup	SG3	21582	Float	4	R W	Hertz	0.01	37.5 - 66
81-1	User Dropout Level	SG3	21584	Float	4	R W	Hertz	0.1	0.1 - 40
81-1	Time Delay	SG3	21586	Float	4	R W	Millisecond	100	0 - 600000
81-1	Voltage Inhibit	SG3	21588	Float	4	R W	Percent	1	1 - 100
81-1	Alarm Configuration	SG3	21590	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-2	Mode	SG0	21592	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-2	Source	SG0	21594	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-2	Pickup	SG0	21596	Float	4	R W	Hertz	0.01	37.5 - 66

Protection Settings Register Table

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Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-2	User Dropout Level	SG0	21598	Float	4	R W	Hertz	0.1	0.1 - 40
81-2	Time Delay	SG0	21600	Float	4	R W	Millisecond	100	0 - 600000
81-2	Voltage Inhibit	SG0	21602	Float	4	R W	Percent	1	1 - 100
81-2	Alarm Configuration	SG0	21604	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-2	Mode	SG1	21606	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-2	Source	SG1	21608	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-2	Pickup	SG1	21610	Float	4	R W	Hertz	0.01	37.5 - 66
81-2	User Dropout Level	SG1	21612	Float	4	R W	Hertz	0.1	0.1 - 40
81-2	Time Delay	SG1	21614	Float	4	R W	Millisecond	100	0 - 600000
81-2	Voltage Inhibit	SG1	21616	Float	4	R W	Percent	1	1 - 100
81-2	Alarm Configuration	SG1	21618	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-2	Mode	SG2	21620	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-2	Source	SG2	21622	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-2	Pickup	SG2	21624	Float	4	R W	Hertz	0.01	37.5 - 66
81-2	User Dropout Level	SG2	21626	Float	4	R W	Hertz	0.1	0.1 - 40
81-2	Time Delay	SG2	21628	Float	4	R W	Millisecond	100	0 - 600000
81-2	Voltage Inhibit	SG2	21630	Float	4	R W	Percent	1	1 - 100
81-2	Alarm Config	SG2	21632	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-2	Mode	SG3	21634	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-2	Source	SG3	21636	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-2	Pickup	SG3	21638	Float	4	R W	Hertz	0.01	37.5 - 66
81-2	User Dropout Level	SG3	21640	Float	4	R W	Hertz	0.1	0.1 - 40
81-2	Time Delay	SG3	21642	Float	4	R W	Millisecond	100	0 - 600000
81-2	Voltage Inhibit	SG3	21644	Float	4	R W	Percent	1	1 - 100
81-2	Alarm Configuration	SG3	21646	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-3	Mode	SG0	21648	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-3	Source	SG0	21650	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-3	Pickup	SG0	21652	Float	4	R W	Hertz	0.01	37.5 - 66
81-3	User Dropout Level	SG0	21654	Float	4	R W	Hertz	0.1	0.1 - 40
81-3	Time Delay	SG0	21656	Float	4	R W	Millisecond	100	0 - 600000
81-3	Voltage Inhibit	SG0	21658	Float	4	R W	Percent	1	1 - 100

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-3	Alarm Configuration	SG0	21660	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-3	Mode	SG1	21662	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-3	Source	SG1	21664	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-3	Pickup	SG1	21666	Float	4	R W	Hertz	0.01	37.5 - 66
81-3	User Dropout Level	SG1	21668	Float	4	R W	Hertz	0.1	0.1 - 40
81-3	Time Delay	SG1	21670	Float	4	R W	Millisecond	100	0 - 600000
81-3	Voltage Inhibit	SG1	21672	Float	4	R W	Percent	1	1 - 100
81-3	Alarm Configuration	SG1	21674	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-3	Mode	SG2	21676	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-3	Source	SG2	21678	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-3	Pickup	SG2	21680	Float	4	R W	Hertz	0.01	37.5 - 66
81-3	User Dropout Level	SG2	21682	Float	4	R W	Hertz	0.1	0.1 - 40
81-3	Time Delay	SG2	21684	Float	4	R W	Millisecond	100	0 - 600000
81-3	Voltage Inhibit	SG2	21686	Float	4	R W	Percent	1	1 - 100
81-3	Alarm Configuration	SG2	21688	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-3	Mode	SG3	21690	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-3	Source	SG3	21692	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-3	Pickup	SG3	21694	Float	4	R W	Hertz	0.01	37.5 - 66
81-3	User Dropout Level	SG3	21696	Float	4	R W	Hertz	0.1	0.1 - 40
81-3	Time Delay	SG3	21698	Float	4	R W	Millisecond	100	0 - 600000
81-3	Voltage Inhibit	SG3	21700	Float	4	R W	Percent	1	1 - 100
81-3	Alarm Config	SG3	21702	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-4	Mode	SG0	21704	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-4	Source	SG0	21706	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-4	Pickup	SG0	21708	Float	4	R W	Hertz	0.01	37.5 - 66
81-4	User Dropout Level	SG0	21710	Float	4	R W	Hertz	0.1	0.1 - 40
81-4	Time Delay	SG0	21712	Float	4	R W	Millisecond	100	0 - 600000
81-4	Voltage Inhibit	SG0	21714	Float	4	R W	Percent	1	1 - 100
81-4	Alarm Configuration	SG0	21716	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-4	Mode	SG1	21718	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-4	Source	SG1	21720	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-4	Pickup	SG1	21722	Float	4	R W	Hertz	0.01	37.5 - 66
81-4	User Dropout Level	SG1	21724	Float	4	R W	Hertz	0.1	0.1 - 40
81-4	Time Delay	SG1	21726	Float	4	R W	Millisecond	100	0 - 600000
81-4	Voltage Inhibit	SG1	21728	Float	4	R W	Percent	1	1 - 100
81-4	Alarm Configuration	SG1	21730	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-4	Mode	SG2	21732	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-4	Source	SG2	21734	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-4	Pickup	SG2	21736	Float	4	R W	Hertz	0.01	37.5 - 66
81-4	User Dropout Level	SG2	21738	Float	4	R W	Hertz	0.1	0.1 - 40
81-4	Time Delay	SG2	21740	Float	4	R W	Millisecond	100	0 - 600000
81-4	Voltage Inhibit	SG2	21742	Float	4	R W	Percent	1	1 - 100
81-4	Alarm Configuration	SG2	21744	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-4	Mode	SG3	21746	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-4	Source	SG3	21748	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-4	Pickup	SG3	21750	Float	4	R W	Hertz	0.01	37.5 - 66
81-4	User Dropout Level	SG3	21752	Float	4	R W	Hertz	0.1	0.1 - 40
81-4	Time Delay	SG3	21754	Float	4	R W	Millisecond	100	0 - 600000
81-4	Voltage Inhibit	SG3	21756	Float	4	R W	Percent	1	1 - 100
81-4	Alarm Config	SG3	21758	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-5	Mode	SG0	21760	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-5	Source	SG0	21762	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-5	Pickup	SG0	21764	Float	4	R W	Hertz	0.01	37.5 - 66
81-5	User Dropout Level	SG0	21766	Float	4	R W	Hertz	0.1	0.1 - 40
81-5	Time Delay	SG0	21768	Float	4	R W	Millisecond	100	0 - 600000
81-5	Voltage Inhibit	SG0	21770	Float	4	R W	Percent	1	1 - 100
81-5	Alarm Configuration	SG0	21772	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-5	Mode	SG1	21774	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-5	Source	SG1	21776	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-5	Pickup	SG1	21778	Float	4	R W	Hertz	0.01	37.5 - 66
81-5	User Dropout Level	SG1	21780	Float	4	R W	Hertz	0.1	0.1 - 40

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-5	Time Delay	SG1	21782	Float	4	R W	Millisecond	100	0 - 600000
81-5	Voltage Inhibit	SG1	21784	Float	4	R W	Percent	1	1 - 100
81-5	Alarm Configuration	SG1	21786	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-5	Mode	SG2	21788	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-5	Source	SG2	21790	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-5	Pickup	SG2	21792	Float	4	R W	Hertz	0.01	37.5 - 66
81-5	User Dropout Level	SG2	21794	Float	4	R W	Hertz	0.1	0.1 - 40
81-5	Time Delay	SG2	21796	Float	4	R W	Millisecond	100	0 - 600000
81-5	Voltage Inhibit	SG2	21798	Float	4	R W	Percent	1	1 - 100
81-5	Alarm Configuration	SG2	21800	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-5	Mode	SG3	21802	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-5	Source	SG3	21804	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-5	Pickup	SG3	21806	Float	4	R W	Hertz	0.01	37.5 - 66
81-5	User Dropout Level	SG3	21808	Float	4	R W	Hertz	0.1	0.1 - 40
81-5	Time Delay	SG3	21810	Float	4	R W	Millisecond	100	0 - 600000
81-5	Voltage Inhibit	SG3	21812	Float	4	R W	Percent	1	1 - 100
81-5	Alarm Configuration	SG3	21814	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-6	Mode	SG0	21816	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-6	Source	SG0	21818	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-6	Pickup	SG0	21820	Float	4	R W	Hertz	0.01	37.5 - 66
81-6	User Dropout Level	SG0	21822	Float	4	R W	Hertz	0.1	0.1 - 40
81-6	Time Delay	SG0	21824	Float	4	R W	Millisecond	100	0 - 600000
81-6	Voltage Inhibit	SG0	21826	Float	4	R W	Percent	1	1 - 100
81-6	Alarm Configuration	SG0	21828	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-6	Mode	SG1	21830	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-6	Source	SG1	21832	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-6	Pickup	SG1	21834	Float	4	R W	Hertz	0.01	37.5 - 66
81-6	User Dropout Level	SG1	21836	Float				0.1	
81-6	Time Delay	SG1	21838	Float	4	R W	Millisecond	100	0 - 600000
81-6	Voltage Inhibit	SG1	21840	Float	4	R W	Percent	1	1 - 100

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-6	Alarm Configuration	SG1	21842	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-6	Mode	SG2	21844	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-6	Source	SG2	21846	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-6	Pickup	SG2	21848	Float	4	R W	Hertz	0.01	37.5 - 66
81-6	User Dropout Level	SG2	21850	Float	4	R W	Hertz	0.1	0.1 - 40
81-6	Time Delay	SG2	21852	Float	4	R W	Millisecond	100	0 - 600000
81-6	Voltage Inhibit	SG2	21854	Float	4	R W	Percent	1	1 - 100
81-6	Alarm Configuration	SG2	21856	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-6	Mode	SG3	21858	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-6	Source	SG3	21860	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-6	Pickup	SG3	21862	Float	4	R W	Hertz	0.01	37.5 - 66
81-6	User Dropout Level	SG3	21864	Float	4	R W	Hertz	0.1	0.1 - 40
81-6	Time Delay	SG3	21866	Float	4	R W	Millisecond	100	0 - 600000
81-6	Voltage Inhibit	SG3	21868	Float	4	R W	Percent	1	1 - 100
81-6	Alarm Configuration	SG3	21870	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-7	Mode	SG0	21872	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-7	Source	SG0	21874	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-7	Pickup	SG0	21876	Float	4	R W	Hertz	0.01	37.5 - 66
81-7	User Dropout Level	SG0	21878	Float	4	R W	Hertz	0.1	0.1 - 40
81-7	Time Delay	SG0	21880	Float	4	R W	Millisecond	100	0 - 600000
81-7	Voltage Inhibit	SG0	21882	Float	4	R W	Percent	1	1 - 100
81-7	Alarm Configuration	SG0	21884	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-7	Mode	SG1	21886	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-7	Source	SG1	21888	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-7	Pickup	SG1	21890	Float	4	R W	Hertz	0.01	37.5 - 66
81-7	User Dropout Level	SG1	21892	Float	4	R W	Hertz	0.1	0.1 - 40
81-7	Time Delay	SG1	21894	Float	4	R W	Millisecond	100	0 - 600000
81-7	Voltage Inhibit	SG1	21896	Float	4	R W	Percent	1	1 - 100
81-7	Alarm Configuration	SG1	21898	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-7	Mode	SG2	21900	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-7	Source	SG2	21902	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-7	Pickup	SG2	21904	Float	4	R W	Hertz	0.01	37.5 - 66
81-7	User Dropout Level	SG2	21906	Float	4	R W	Hertz	0.1	0.1 - 40
81-7	Time Delay	SG2	21908	Float	4	R W	Millisecond	100	0 - 600000
81-7	Voltage Inhibit	SG2	21910	Float	4	R W	Percent	1	1 - 100
81-7	Alarm Configuration	SG2	21912	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-7	Mode	SG3	21914	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-7	Source	SG3	21916	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-7	Pickup	SG3	21918	Float	4	R W	Hertz	0.01	37.5 - 66
81-7	User Dropout Level	SG3	21920	Float	4	R W	Hertz	0.1	0.1 - 40
81-7	Time Delay	SG3	21922	Float	4	R W	Millisecond	100	0 - 600000
81-7	Voltage Inhibit	SG3	21924	Float	4	R W	Percent	1	1 - 100
81-7	Alarm Configuration	SG3	21926	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-8	Mode	SG0	21928	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-8	Source	SG0	21930	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-8	Pickup	SG0	21932	Float	4	R W	Hertz	0.01	37.5 - 66
81-8	User Dropout Level	SG0	21934	Float	4	R W	Hertz	0.1	0.1 - 40
81-8	Time Delay	SG0	21936	Float	4	R W	Millisecond	100	0 - 600000
81-8	Voltage Inhibit	SG0	21938	Float	4	R W	Percent	1	1 - 100
81-8	Alarm Configuration	SG0	21940	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-8	Mode	SG1	21942	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-8	Source	SG1	21944	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-8	Pickup	SG1	21946	Float	4	R W	Hertz	0.01	37.5 - 66
81-8	User Dropout Level	SG1	21948	Float	4	R W	Hertz	0.1	0.1 - 40
81-8	Time Delay	SG1	21950	Float	4	R W	Millisecond	100	0 - 600000
81-8	Voltage Inhibit	SG1	21952	Float	4	R W	Percent	1	1 - 100
81-8	Alarm Configuration	SG1	21954	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-8	Mode	SG2	21956	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
81-8	Source	SG2	21958	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-8	Pickup	SG2	21960	Float	4	R W	Hertz	0.01	37.5 - 66
81-8	User Dropout Level	SG2	21962	Float	4	R W	Hertz	0.1	0.1 - 40
81-8	Time Delay	SG2	21964	Float	4	R W	Millisecond	100	0 - 600000
81-8	Voltage Inhibit	SG2	21966	Float	4	R W	Percent	1	1 - 100
81-8	Alarm Configuration	SG2	21968	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
81-8	Mode	SG3	21970	Uint32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
81-8	Source	SG3	21972	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
81-8	Pickup	SG3	21974	Float	4	R W	Hertz	0.01	37.5 - 66
81-8	User Dropout Level	SG3	21976	Float	4	R W	Hertz	0.1	0.1 - 40
81-8	Time Delay	SG3	21978	Float	4	R W	Millisecond	100	0 - 600000
81-8	Voltage Inhibit	SG3	21980	Float	4	R W	Percent	1	1 - 100
81-8	Alarm Configuration	SG3	21982	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-1	Mode	SG0 1P	21984	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG0 1P	21986	Float	4	R W	Percent	0.1	-150 - 0
40Q-1	Time Delay	SG0 1P	21988	Float	4	R W	Millisecond	100	0 - 600000
40Q-1	Source	SG0 1P	21990	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG0 1P	21992	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-1	Low-Line Scale	SG0 1P	21994	Float	4	R W	n/a	0.001	0.001 - 3
40Q-1	Mode	SG0 3P	21996	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG0 3P	21998	Float	4	R W	Percent	0.1	-150 - 0
40Q-1	Time Delay	SG0 3P	22000	Float	4	R W	Millisecond	100	0 - 600000
40Q-1	Source	SG0 3P	22002	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG0 3P	22004	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-1	Low-Line Scale	SG0 3P	22006	Float	4	R W	n/a	0.001	0.001 - 3
40Q-1	Mode	SG1 1P	22008	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG1 1P	22010	Float	4	R W	Percent	0.1	-150 - 0
40Q-1	Time Delay	SG1 1P	22012	Float	4	R W	Millisecond	100	0 - 600000
40Q-1	Source	SG1 1P	22014	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG1 1P	22016	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
40Q-1	Low-Line Scale	SG1 1P	22018	Float	4	R W	n/a	0.001	0.001 - 3
40Q-1	Mode	SG1 3P	22020	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG1 3P	22022	Float	4	R W	Percent	0.1	-150 - 0
40Q-1	Time Delay	SG1 3P	22024	Float	4	R W	Millisecond	100	0 - 600000
40Q-1	Source	SG1 3P	22026	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG1 3P	22028	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-1	Low-Line Scale	SG1 3P	22030	Float	4	R W	n/a	0.001	0.001 - 3
40Q-1	Mode	SG2 1P	22032	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG2 1P	22034	Float	4	R W	Percent	0.1	-150 - 0
40Q-1	Time Delay	SG2 1P	22036	Float	4	R W	Millisecond	100	0 - 600000
40Q-1	Source	SG2 1P	22038	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG2 1P	22040	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-1	Low-Line Scale	SG2 1P	22042	Float	4	R W	n/a	0.001	0.001 - 3
40Q-1	Mode	SG2 3P	22044	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG2 3P	22046	Float	4	R W	Percent	0.1	-150 - 0
40Q-1	Time Delay	SG2 3P	22048	Float	4	R W	Millisecond	100	0 - 600000
40Q-1	Source	SG2 3P	22050	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG2 3P	22052	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-1	Low-Line Scale	SG2 3P	22054	Float	4	R W	n/a	0.001	0.001 - 3
40Q-1	Mode	SG3 1P	22056	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG3 1P	22058	Float	4	R W	Percent	0.1	-150 - 0
40Q-1	Time Delay	SG3 1P	22060	Float	4	R W	Millisecond	100	0 - 600000
40Q-1	Source	SG3 1P	22062	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Config	SG3 1P	22064	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-1	Low-Line Scale	SG3 1P	22066	Float	4	R W	n/a	0.001	0.001 - 3
40Q-1	Mode	SG3 3P	22068	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-1	Pickup	SG3 3P	22070	Float	4	R W	Percent	0.1	-150 - 0
40Q-1	Time Delay	SG3 3P	22072	Float	4	R W	Millisecond	100	0 - 600000
40Q-1	Source	SG3 3P	22074	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-1	Alarm Configuration	SG3 3P	22076	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
40Q-1	Low-Line Scale	SG3 3P	22078	Float	4	R W	n/a	0.001	0.001 - 3
40Q-2	Mode	SG0 1P	22080	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG0 1P	22082	Float	4	R W	Percent	0.1	-150 - 0
40Q-2	Time Delay	SG0 1P	22084	Float	4	R W	Millisecond	100	0 - 600000
40Q-2	Source	SG0 1P	22086	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG0 1P	22088	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-2	Low-Line Scale	SG0 1P	22090	Float	4	R W	n/a	0.001	0.001 - 3
40Q-2	Mode	SG0 3P	22092	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG0 3P	22094	Float	4	R W	Percent	0.1	-150 - 0
40Q-2	Time Delay	SG0 3P	22096	Float	4	R W	Millisecond	100	0 - 600000
40Q-2	Source	SG0 3P	22098	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG0 3P	22100	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-2	Low-Line Scale	SG0 3P	22102	Float	4	R W	n/a	0.001	0.001 - 3
40Q-2	Mode	SG1 1P	22104	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG1 1P	22106	Float	4	R W	Percent	0.1	-150 - 0
40Q-2	Time Delay	SG1 1P	22108	Float	4	R W	Millisecond	100	0 - 600000
40Q-2	Source	SG1 1P	22110	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Config	SG1 1P	22112	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-2	Low-Line Scale	SG1 1P	22114	Float	4	R W	n/a	0.001	0.001 - 3
40Q-2	Mode	SG1 3P	22116	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG1 3P	22118	Float	4	R W	Percent	0.1	-150 - 0
40Q-2	Time Delay	SG1 3P	22120	Float	4	R W	Millisecond	100	0 - 600000
40Q-2	Source	SG1 3P	22122	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG1 3P	22124	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-2	Low-Line Scale	SG1 3P	22126	Float	4	R W	n/a	0.001	0.001 - 3
40Q-2	Mode	SG2 1P	22128	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG2 1P	22130	Float	4	R W	Percent	0.1	-150 - 0
40Q-2	Time Delay	SG2 1P	22132	Float	4	R W	Millisecond	100	0 - 600000
40Q-2	Source	SG2 1P	22134	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG2 1P	22136	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
40Q-2	Low-Line Scale	SG2 1P	22138	Float	4	R W	n/a	0.001	0.001 - 3
40Q-2	Mode	SG2 3P	22140	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG2 3P	22142	Float	4	R W	Percent	0.1	-150 - 0
40Q-2	Time Delay	SG2 3P	22144	Float	4	R W	Millisecond	100	0 - 600000
40Q-2	Source	SG2 3P	22146	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG2 3P	22148	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-2	Low-Line Scale	SG2 3P	22150	Float	4	R W	n/a	0.001	0.001 - 3
40Q-2	Mode	SG3 1P	22152	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG3 1P	22154	Float	4	R W	Percent	0.1	-150 - 0
40Q-2	Time Delay	SG3 1P	22156	Float	4	R W	Millisecond	100	0 - 600000
40Q-2	Source	SG3 1P	22158	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG3 1P	22160	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-2	Low-Line Scale	SG3 1P	22162	Float	4	R W	n/a	0.001	0.001 - 3
40Q-2	Mode	SG3 3P	22164	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
40Q-2	Pickup	SG3 3P	22166	Float	4	R W	Percent	0.1	-150 - 0
40Q-2	Time Delay	SG3 3P	22168	Float	4	R W	Millisecond	100	0 - 600000
40Q-2	Source	SG3 3P	22170	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
40Q-2	Alarm Configuration	SG3 3P	22172	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
40Q-2	Low-Line Scale	SG3 3P	22174	Float	4	R W	n/a	0.001	0.001 - 3
32-1	Mode	SG0 1P	22176	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-1	Source	SG0 1P	22178	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG0 1P	22180	Float	4	R W	Percent	1	1 - 200
32-1	Time Delay	SG0 1P	22182	Float	4	R W	Millisecond	100	0 - 600000
32-1	Over Under	SG0 1P	22184	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-1	Direction	SG0 1P	22186	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG0 1P	22188	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-1	Low-Line Scale	SG0 1P	22190	Float	4	R W	n/a	0.001	0.001 - 3
32-1	Mode	SG0 3P	22192	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-1	Source	SG0 3P	22194	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG0 3P	22196	Float	4	R W	Percent	1	1 - 200
32-1	Time Delay	SG0 3P	22198	Float	4	R W	Millisecond	100	0 - 600000
32-1	Over Under	SG0 3P	22200	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-1	Direction	SG0 3P	22202	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-1	Alarm Configuration	SG0 3P	22204	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-1	Low-Line Scale	SG0 3P	22206	Float	4	R W	n/a	0.001	0.001 - 3
32-1	Mode	SG1 1P	22208	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-1	Source	SG1 1P	22210	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG1 1P	22212	Float	4	R W	Percent	1	1 - 200
32-1	Time Delay	SG1 1P	22214	Float	4	R W	Millisecond	100	0 - 600000
32-1	Over Under	SG1 1P	22216	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-1	Direction	SG1 1P	22218	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG1 1P	22220	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-1	Low-Line Scale	SG1 1P	22222	Float	4	R W	n/a	0.001	0.001 - 3
32-1	Mode	SG1 3P	22224	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-1	Source	SG1 3P	22226	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG1 3P	22228	Float	4	R W	Percent	1	1 - 200
32-1	Time Delay	SG1 3P	22230	Float	4	R W	Millisecond	100	0 - 600000
32-1	Over Under	SG1 3P	22232	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-1	Direction	SG1 3P	22234	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG1 3P	22236	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-1	Low-Line Scale	SG1 3P	22238	Float	4	R W	n/a	0.001	0.001 - 3
32-1	Mode	SG2 1P	22240	Uint32	4	R W	n/a	0.001	Disabled=0 Enabled=4
32-1	Source	SG2 1P	22242	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG2 1P	22244	Float	4	R W	Percent	n/a	1 - 200
32-1	Time Delay	SG2 1P	22246	Float	4	R W	Millisecond	1	0 - 600000
32-1	Over Under	SG2 1P	22248	Uint32	4	R W	n/a	100	Over=0 Under=1
32-1	Direction	SG2 1P	22250	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG2 1P	22252	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-1	Low-Line Scale	SG2 1P	22254	Float	4	R W	n/a	n/a	0.001 - 3
32-1	Mode	SG2 3P	22256	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-1	Source	SG2 3P	22258	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG2 3P	22260	Float	4	R W	Percent	1	1 - 200
32-1	Time Delay	SG2 3P	22262	Float	4	R W	Millisecond	100	0 - 600000
32-1	Over Under	SG2 3P	22264	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-1	Direction	SG2 3P	22266	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-1	Alarm Configuration	SG2 3P	22268	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-1	Low-Line Scale	SG2 3P	22270	Float	4	R W	n/a	0.001	0.001 - 3
32-1	Mode	SG3 1P	22272	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-1	Source	SG3 1P	22274	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG3 1P	22276	Float	4	R W	Percent	1	1 - 200
32-1	Time Delay	SG3 1P	22278	Float	4	R W	Millisecond	100	0 - 600000
32-1	Over Under	SG3 1P	22280	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-1	Direction	SG3 1P	22282	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG3 1P	22284	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-1	Low-Line Scale	SG3 1P	22286	Float	4	R W	n/a	0.001	0.001 - 3
32-1	Mode	SG3 3P	22288	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-1	Source	SG3 3P	22290	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-1	Pickup	SG3 3P	22292	Float	4	R W	Percent	1	1 - 200
32-1	Time Delay	SG3 3P	22294	Float	4	R W	Millisecond	100	0 - 600000
32-1	Over Under	SG3 3P	22296	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-1	Direction	SG3 3P	22298	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-1	Alarm Configuration	SG3 3P	22300	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-1	Low-Line Scale	SG3 3P	22302	Float	4	R W	n/a	0.001	0.001 - 3
32-2	Mode	SG0 1P	22304	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-2	Source	SG0 1P	22306	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG0 1P	22308	Float	4	R W	Percent	1	1 - 200
32-2	Time Delay	SG0 1P	22310	Float	4	R W	Millisecond	100	0 - 600000
32-2	Over Under	SG0 1P	22312	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-2	Direction	SG0 1P	22314	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG0 1P	22316	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-2	Low-Line Scale	SG0 1P	22318	Float	4	R W	n/a	0.001	0.001 - 3
32-2	Mode	SG0 3P	22320	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-2	Source	SG0 3P	22322	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG0 3P	22324	Float	4	R W	Percent	1	1 - 200
32-2	Time Delay	SG0 3P	22326	Float	4	R W	Millisecond	100	0 - 600000
32-2	Over Under	SG0 3P	22328	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-2	Direction	SG0 3P	22330	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-2	Alarm Configuration	SG0 3P	22332	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-2	Low-Line Scale	SG0 3P	22334	Float	4	R W	n/a	0.001	0.001 - 3
32-2	Mode	SG1 1P	22336	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-2	Source	SG1 1P	22338	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG1 1P	22340	Float	4	R W	Percent	1	1 - 200
32-2	Time Delay	SG1 1P	22342	Float	4	R W	Millisecond	100	0 - 600000
32-2	Over Under	SG1 1P	22344	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-2	Direction	SG1 1P	22346	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG1 1P	22348	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-2	Low-Line Scale	SG1 1P	22350	Float	4	R W	n/a	0.001	0.001 - 3
32-2	Mode	SG1 3P	22352	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-2	Source	SG1 3P	22354	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG1 3P	22356	Float	4	R W	Percent	1	1 - 200
32-2	Time Delay	SG1 3P	22358	Float	4	R W	Millisecond	100	0 - 600000
32-2	Over Under	SG1 3P	22360	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-2	Direction	SG1 3P	22362	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG1 3P	22364	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-2	Low-Line Scale	SG1 3P	22366	Float	4	R W	n/a	0.001	0.001 - 3
32-2	Mode	SG2 1P	22368	Uint32	4	R W	n/a	0.001	Disabled=0 Enabled=4
32-2	Source	SG2 1P	22370	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG2 1P	22372	Float	4	R W	Percent	n/a	1 - 200
32-2	Time Delay	SG2 1P	22374	Float	4	R W	Millisecond	1	0 - 600000
32-2	Over Under	SG2 1P	22376	Uint32	4	R W	n/a	100	Over=0 Under=1
32-2	Direction	SG2 1P	22378	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG2 1P	22380	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-2	Low-Line Scale	SG2 1P	22382	Float	4	R W	n/a	n/a	0.001 - 3
32-2	Mode	SG2 3P	22384	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-2	Source	SG2 3P	22386	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG2 3P	22388	Float	4	R W	Percent	1	1 - 200
32-2	Time Delay	SG2 3P	22390	Float	4	R W	Millisecond	100	0 - 600000
32-2	Over Under	SG2 3P	22392	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-2	Direction	SG2 3P	22394	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-2	Alarm Configuration	SG2 3P	22396	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-2	Low-Line Scale	SG2 3P	22398	Float	4	R W	n/a	0.001	0.001 - 3
32-2	Mode	SG3 1P	22400	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-2	Source	SG3 1P	22402	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG3 1P	22404	Float	4	R W	Percent	1	1 - 200
32-2	Time Delay	SG3 1P	22406	Float	4	R W	Millisecond	100	0 - 600000
32-2	Over Under	SG3 1P	22408	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-2	Direction	SG3 1P	22410	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG3 1P	22412	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-2	Low-Line Scale	SG3 1P	22414	Float	4	R W	n/a	0.001	0.001 - 3
32-2	Mode	SG3 3P	22416	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-2	Source	SG3 3P	22418	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-2	Pickup	SG3 3P	22420	Float	4	R W	Percent	1	1 - 200
32-2	Time Delay	SG3 3P	22422	Float	4	R W	Millisecond	100	0 - 600000
32-2	Over Under	SG3 3P	22424	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-2	Direction	SG3 3P	22426	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-2	Alarm Configuration	SG3 3P	22428	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-2	Low-Line Scale	SG3 3P	22430	Float	4	R W	n/a	0.001	0.001 - 3
32-3	Mode	SG0 1P	22432	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-3	Source	SG0 1P	22434	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG0 1P	22436	Float	4	R W	Percent	1	1 - 200
32-3	Time Delay	SG0 1P	22438	Float	4	R W	Millisecond	100	0 - 600000
32-3	Over Under	SG0 1P	22440	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-3	Direction	SG0 1P	22442	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG0 1P	22444	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-3	Low-Line Scale	SG0 1P	22446	Float	4	R W	n/a	0.001	0.001 - 3
32-3	Mode	SG0 3P	22448	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-3	Source	SG0 3P	22450	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG0 3P	22452	Float	4	R W	Percent	1	1 - 200
32-3	Time Delay	SG0 3P	22454	Float	4	R W	Millisecond	100	0 - 600000
32-3	Over Under	SG0 3P	22456	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-3	Direction	SG0 3P	22458	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-3	Alarm Configuration	SG0 3P	22460	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-3	Low-Line Scale	SG0 3P	22462	Float	4	R W	n/a	0.001	0.001 - 3
32-3	Mode	SG1 1P	22464	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-3	Source	SG1 1P	22466	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG1 1P	22468	Float	4	R W	Percent	1	1 - 200
32-3	Time Delay	SG1 1P	22470	Float	4	R W	Millisecond	100	0 - 600000
32-3	Over Under	SG1 1P	22472	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-3	Direction	SG1 1P	22474	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG1 1P	22476	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-3	Low-Line Scale	SG1 1P	22478	Float	4	R W	n/a	0.001	0.001 - 3
32-3	Mode	SG1 3P	22480	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-3	Source	SG1 3P	22482	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG1 3P	22484	Float	4	R W	Percent	1	1 - 200
32-3	Time Delay	SG1 3P	22486	Float	4	R W	Millisecond	100	0 - 600000
32-3	Over Under	SG1 3P	22488	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-3	Direction	SG1 3P	22490	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG1 3P	22492	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-3	Low-Line Scale	SG1 3P	22494	Float	4	R W	n/a	0.001	0.001 - 3
32-3	Mode	SG2 1P	22496	Uint32	4	R W	n/a	0.001	Disabled=0 Enabled=4
32-3	Source	SG2 1P	22498	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG2 1P	22500	Float	4	R W	Percent	n/a	1 - 200
32-3	Time Delay	SG2 1P	22502	Float	4	R W	Millisecond	1	0 - 600000
32-3	Over Under	SG2 1P	22504	Uint32	4	R W	n/a	100	Over=0 Under=1
32-3	Direction	SG2 1P	22506	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG2 1P	22508	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-3	Low-Line Scale	SG2 1P	22510	Float	4	R W	n/a	n/a	0.001 - 3
32-3	Mode	SG2 3P	22512	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-3	Source	SG2 3P	22514	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG2 3P	22516	Float	4	R W	Percent	1	1 - 200
32-3	Time Delay	SG2 3P	22518	Float	4	R W	Millisecond	100	0 - 600000
32-3	Over Under	SG2 3P	22520	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-3	Direction	SG2 3P	22522	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-3	Alarm Configuration	SG2 3P	22524	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-3	Low-Line Scale	SG2 3P	22526	Float	4	R W	n/a	0.001	0.001 - 3
32-3	Mode	SG3 1P	22528	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-3	Source	SG3 1P	22530	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG3 1P	22532	Float	4	R W	Percent	1	1 - 200
32-3	Time Delay	SG3 1P	22534	Float	4	R W	Millisecond	100	0 - 600000
32-3	Over Under	SG3 1P	22536	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-3	Direction	SG3 1P	22538	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG3 1P	22540	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-3	Low-Line Scale	SG3 1P	22542	Float	4	R W	n/a	0.001	0.001 - 3
32-3	Mode	SG3 3P	22544	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-3	Source	SG3 3P	22546	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-3	Pickup	SG3 3P	22548	Float	4	R W	Percent	1	1 - 200
32-3	Time Delay	SG3 3P	22550	Float	4	R W	Millisecond	100	0 - 600000
32-3	Over Under	SG3 3P	22552	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-3	Direction	SG3 3P	22554	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-3	Alarm Configuration	SG3 3P	22556	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-3	Low-Line Scale	SG3 3P	22558	Float	4	R W	n/a	0.001	0.001 - 3
32-4	Mode	SG0 1P	22560	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-4	Source	SG0 1P	22562	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG0 1P	22564	Float	4	R W	Percent	1	1 - 200
32-4	Time Delay	SG0 1P	22566	Float	4	R W	Millisecond	100	0 - 600000
32-4	Over Under	SG0 1P	22568	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-4	Direction	SG0 1P	22570	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG0 1P	22572	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-4	Low-Line Scale	SG0 1P	22574	Float	4	R W	n/a	0.001	0.001 - 3
32-4	Mode	SG0 3P	22576	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-4	Source	SG0 3P	22578	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG0 3P	22580	Float	4	R W	Percent	1	1 - 200
32-4	Time Delay	SG0 3P	22582	Float	4	R W	Millisecond	100	0 - 600000
32-4	Over Under	SG0 3P	22584	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-4	Direction	SG0 3P	22586	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-4	Alarm Configuration	SG0 3P	22588	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-4	Low-Line Scale	SG0 3P	22590	Float	4	R W	n/a	0.001	0.001 - 3
32-4	Mode	SG1 1P	22592	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-4	Source	SG1 1P	22594	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG1 1P	22596	Float	4	R W	Percent	1	1 - 200
32-4	Time Delay	SG1 1P	22598	Float	4	R W	Millisecond	100	0 - 600000
32-4	Over Under	SG1 1P	22600	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-4	Direction	SG1 1P	22602	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG1 1P	22604	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-4	Low-Line Scale	SG1 1P	22606	Float	4	R W	n/a	0.001	0.001 - 3
32-4	Mode	SG1 3P	22608	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-4	Source	SG1 3P	22610	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG1 3P	22612	Float	4	R W	Percent	1	1 - 200
32-4	Time Delay	SG1 3P	22614	Float	4	R W	Millisecond	100	0 - 600000
32-4	Over Under	SG1 3P	22616	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-4	Direction	SG1 3P	22618	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG1 3P	22620	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-4	Low-Line Scale	SG1 3P	22622	Float	4	R W	n/a	0.001	0.001 - 3
32-4	Mode	SG2 1P	22624	Uint32	4	R W	n/a	0.001	Disabled=0 Enabled=4
32-4	Source	SG2 1P	22626	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG2 1P	22628	Float	4	R W	Percent	n/a	1 - 200
32-4	Time Delay	SG2 1P	22630	Float	4	R W	Millisecond	1	0 - 600000
32-4	Over Under	SG2 1P	22632	Uint32	4	R W	n/a	100	Over=0 Under=1
32-4	Direction	SG2 1P	22634	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG2 1P	22636	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-4	Low-Line Scale	SG2 1P	22638	Float	4	R W	n/a	n/a	0.001 - 3
32-4	Mode	SG2 3P	22640	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-4	Source	SG2 3P	22642	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG2 3P	22644	Float	4	R W	Percent	1	1 - 200
32-4	Time Delay	SG2 3P	22646	Float	4	R W	Millisecond	100	0 - 600000
32-4	Over Under	SG2 3P	22648	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-4	Direction	SG2 3P	22650	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-4	Alarm Configuration	SG2 3P	22652	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-4	Low-Line Scale	SG2 3P	22654	Float	4	R W	n/a	0.001	0.001 - 3
32-4	Mode	SG3 1P	22656	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-4	Source	SG3 1P	22658	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG3 1P	22660	Float	4	R W	Percent	1	1 - 200
32-4	Time Delay	SG3 1P	22662	Float	4	R W	Millisecond	100	0 - 600000
32-4	Over Under	SG3 1P	22664	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-4	Direction	SG3 1P	22666	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG3 1P	22668	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-4	Low-Line Scale	SG3 1P	22670	Float	4	R W	n/a	0.001	0.001 - 3
32-4	Mode	SG3 3P	22672	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-4	Source	SG3 3P	22674	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-4	Pickup	SG3 3P	22676	Float	4	R W	Percent	1	1 - 200
32-4	Time Delay	SG3 3P	22678	Float	4	R W	Millisecond	100	0 - 600000
32-4	Over Under	SG3 3P	22680	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-4	Direction	SG3 3P	22682	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-4	Alarm Configuration	SG3 3P	22684	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-4	Low-Line Scale	SG3 3P	22686	Float	4	R W	n/a	0.001	0.001 - 3
32-5	Mode	SG0 1P	22688	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-5	Source	SG0 1P	22690	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG0 1P	22692	Float	4	R W	Percent	1	1 - 200
32-5	Time Delay	SG0 1P	22694	Float	4	R W	Millisecond	100	0 - 600000
32-5	Over Under	SG0 1P	22696	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-5	Direction	SG0 1P	22698	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG0 1P	22700	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-5	Low-Line Scale	SG0 1P	22702	Float	4	R W	n/a	0.001	0.001 - 3
32-5	Mode	SG0 3P	22704	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-5	Source	SG0 3P	22706	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG0 3P	22708	Float	4	R W	Percent	1	1 - 200
32-5	Time Delay	SG0 3P	22710	Float	4	R W	Millisecond	100	0 - 600000
32-5	Over Under	SG0 3P	22712	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-5	Direction	SG0 3P	22714	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-5	Alarm Configuration	SG0 3P	22716	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-5	Low-Line Scale	SG0 3P	22718	Float	4	R W	n/a	0.001	0.001 - 3
32-5	Mode	SG1 1P	22720	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-5	Source	SG1 1P	22722	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG1 1P	22724	Float	4	R W	Percent	1	1 - 200
32-5	Time Delay	SG1 1P	22726	Float	4	R W	Millisecond	100	0 - 600000
32-5	Over Under	SG1 1P	22728	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-5	Direction	SG1 1P	22730	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG1 1P	22732	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-5	Low-Line Scale	SG1 1P	22734	Float	4	R W	n/a	0.001	0.001 - 3
32-5	Mode	SG1 3P	22736	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-5	Source	SG1 3P	22738	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG1 3P	22740	Float	4	R W	Percent	1	1 - 200
32-5	Time Delay	SG1 3P	22742	Float	4	R W	Millisecond	100	0 - 600000
32-5	Over Under	SG1 3P	22744	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-5	Direction	SG1 3P	22746	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG1 3P	22748	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-5	Low-Line Scale	SG1 3P	22750	Float	4	R W	n/a	0.001	0.001 - 3
32-5	Mode	SG2 1P	22752	Uint32	4	R W	n/a	0.001	Disabled=0 Enabled=4
32-5	Source	SG2 1P	22754	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG2 1P	22756	Float	4	R W	Percent	n/a	1 - 200
32-5	Time Delay	SG2 1P	22758	Float	4	R W	Millisecond	1	0 - 600000
32-5	Over Under	SG2 1P	22760	Uint32	4	R W	n/a	100	Over=0 Under=1
32-5	Direction	SG2 1P	22762	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG2 1P	22764	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-5	Low-Line Scale	SG2 1P	22766	Float	4	R W	n/a	n/a	0.001 - 3
32-5	Mode	SG2 3P	22768	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-5	Source	SG2 3P	22770	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG2 3P	22772	Float	4	R W	Percent	1	1 - 200
32-5	Time Delay	SG2 3P	22774	Float	4	R W	Millisecond	100	0 - 600000
32-5	Over Under	SG2 3P	22776	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-5	Direction	SG2 3P	22778	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-5	Alarm Configuration	SG2 3P	22780	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-5	Low-Line Scale	SG2 3P	22782	Float	4	R W	n/a	0.001	0.001 - 3
32-5	Mode	SG3 1P	22784	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-5	Source	SG3 1P	22786	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG3 1P	22788	Float	4	R W	Percent	1	1 - 200
32-5	Time Delay	SG3 1P	22790	Float	4	R W	Millisecond	100	0 - 600000
32-5	Over Under	SG3 1P	22792	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-5	Direction	SG3 1P	22794	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG3 1P	22796	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-5	Low-Line Scale	SG3 1P	22798	Float	4	R W	n/a	0.001	0.001 - 3
32-5	Mode	SG3 3P	22800	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-5	Source	SG3 3P	22802	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-5	Pickup	SG3 3P	22804	Float	4	R W	Percent	1	1 - 200
32-5	Time Delay	SG3 3P	22806	Float	4	R W	Millisecond	100	0 - 600000
32-5	Over Under	SG3 3P	22808	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-5	Direction	SG3 3P	22810	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-5	Alarm Configuration	SG3 3P	22812	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-5	Low-Line Scale	SG3 3P	22814	Float	4	R W	n/a	0.001	0.001 - 3
32-6	Mode	SG0 1P	22816	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-6	Source	SG0 1P	22818	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG0 1P	22820	Float	4	R W	Percent	1	1 - 200
32-6	Time Delay	SG0 1P	22822	Float	4	R W	Millisecond	100	0 - 600000
32-6	Over Under	SG0 1P	22824	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-6	Direction	SG0 1P	22826	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG0 1P	22828	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-6	Low-Line Scale	SG0 1P	22830	Float	4	R W	n/a	0.001	0.001 - 3
32-6	Mode	SG0 3P	22832	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-6	Source	SG0 3P	22834	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG0 3P	22836	Float	4	R W	Percent	1	1 - 200
32-6	Time Delay	SG0 3P	22838	Float	4	R W	Millisecond	100	0 - 600000
32-6	Over Under	SG0 3P	22840	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-6	Direction	SG0 3P	22842	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-6	Alarm Configuration	SG0 3P	22844	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-6	Low-Line Scale	SG0 3P	22846	Float	4	R W	n/a	0.001	0.001 - 3
32-6	Mode	SG1 1P	22848	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-6	Source	SG1 1P	22850	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG1 1P	22852	Float	4	R W	Percent	1	1 - 200
32-6	Time Delay	SG1 1P	22854	Float	4	R W	Millisecond	100	0 - 600000
32-6	Over Under	SG1 1P	22856	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-6	Direction	SG1 1P	22858	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG1 1P	22860	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-6	Low-Line Scale	SG1 1P	22862	Float	4	R W	n/a	0.001	0.001 - 3
32-6	Mode	SG1 3P	22864	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-6	Source	SG1 3P	22866	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG1 3P	22868	Float	4	R W	Percent	1	1 - 200
32-6	Time Delay	SG1 3P	22870	Float	4	R W	Millisecond	100	0 - 600000
32-6	Over Under	SG1 3P	22872	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-6	Direction	SG1 3P	22874	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG1 3P	22876	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-6	Low-Line Scale	SG1 3P	22878	Float	4	R W	n/a	0.001	0.001 - 3
32-6	Mode	SG2 1P	22880	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-6	Source	SG2 1P	22882	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG2 1P	22884	Float	4	R W	Percent	1	1 - 200
32-6	Time Delay	SG2 1P	22886	Float	4	R W	Millisecond	100	0 - 600000
32-6	Over Under	SG2 1P	22888	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-6	Direction	SG2 1P	22890	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG2 1P	22892	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-6	Low-Line Scale	SG2 1P	22894	Float	4	R W	n/a	0.001	0.001 - 3
32-6	Mode	SG2 3P	22896	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-6	Source	SG2 3P	22898	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG2 3P	22900	Float	4	R W	Percent	1	1 - 200
32-6	Time Delay	SG2 3P	22902	Float	4	R W	Millisecond	100	0 - 600000
32-6	Over Under	SG2 3P	22904	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-6	Direction	SG2 3P	22906	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-6	Alarm Configuration	SG2 3P	22908	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-6	Low-Line Scale	SG2 3P	22910	Float	4	R W	n/a	0.001	0.001 - 3
32-6	Mode	SG3 1P	22912	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-6	Source	SG3 1P	22914	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG3 1P	22916	Float	4	R W	Percent	1	1 - 200
32-6	Time Delay	SG3 1P	22918	Float	4	R W	Millisecond	100	0 - 600000
32-6	Over Under	SG3 1P	22920	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-6	Direction	SG3 1P	22922	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG3 1P	22924	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-6	Low-Line Scale	SG3 1P	22926	Float	4	R W	n/a	0.001	0.001 - 3
32-6	Mode	SG3 3P	22928	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=4
32-6	Source	SG3 3P	22930	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
32-6	Pickup	SG3 3P	22932	Float	4	R W	Percent	1	1 - 200
32-6	Time Delay	SG3 3P	22934	Float	4	R W	Millisecond	100	0 - 600000
32-6	Over Under	SG3 3P	22936	Uint32	4	R W	n/a	n/a	Over=0 Under=1
32-6	Direction	SG3 3P	22938	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1
32-6	Alarm Configuration	SG3 3P	22940	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
32-6	Low-Line Scale	SG3 3P	22942	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Mode	SG0 1P	22944	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG0 1P	22946	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG0 1P	22948	Float	4	R W	Amp	0.001	0.9 - 7.75
51-1	Curve Index	SG0 1P	22950	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-1	Direction	SG0 1P	22952	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG0 1P	22954	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG0 1P	22956	Float	4	R W	n/a	0.1	0 - 9.9
51-1	Constant A	SG0 1P	22958	Float	4	R W	n/a	0.00001	0 - 600
51-1	Constant B	SG0 1P	22960	Float	4	R W	n/a	0.00001	0 - 25
51-1	Constant C	SG0 1P	22962	Float	4	R W	n/a	0.00001	0 - 1
51-1	Constant N	SG0 1P	22964	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-1	Constant R	SG0 1P	22966	Float	4	R W	n/a	0.00001	0 - 30
51-1	Voltage Restraint Setpoint	SG0 1P	22968	Float	4	R W	Volt	1	30 - 250
51-1	Voltage Restraint Mode	SG0 1P	22970	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG0 1P	22972	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-1	Low-Line Scale	SG0 1P	22974	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Voltage Restraint Source	SG0 1P	22976	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG0 1P	22978	Float	4	R W	n/a	0.00001	0.1 - 10
51-1	Mode	SG0 3P	22980	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG0 3P	22982	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG0 3P	22984	Float	4	R W	Amp	0.001	0.9 - 7.75
51-1	Curve Index	SG0 3P	22986	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG0 3P	22988	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG0 3P	22990	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG0 3P	22992	Float	4	R W	n/a	0.1	0 - 9.9
51-1	Constant A	SG0 3P	22994	Float	4	R W	n/a	0.00001	0 - 600
51-1	Constant B	SG0 3P	22996	Float	4	R W	n/a	0.00001	0 - 25
51-1	Constant C	SG0 3P	22998	Float	4	R W	n/a	0.00001	0 - 1
51-1	Constant N	SG0 3P	23000	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-1	Constant R	SG0 3P	23002	Float	4	R W	n/a	0.00001	0 - 30
51-1	Voltage Restraint Setpoint	SG0 3P	23004	Float	4	R W	Volt	1	30 - 250
51-1	Voltage Restraint Mode	SG0 3P	23006	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-1	Alarm Configuration	SG0 3P	23008	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-1	Low-Line Scale	SG0 3P	23010	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Voltage Restraint Source	SG0 3P	23012	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG0 3P	23014	Float	4	R W	n/a	0.00001	0.1 - 10
51-1	Mode	SG1 1P	23016	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG1 1P	23018	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG1 1P	23020	Float	4	R W	Amp	0.001	0.9 - 7.75
51-1	Curve Index	SG1 1P	23022	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG1 1P	23024	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG1 1P	23026	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG1 1P	23028	Float	4	R W	n/a	0.1	0 - 9.9
51-1	Constant A	SG1 1P	23030	Float	4	R W	n/a	0.00001	0 - 600
51-1	Constant B	SG1 1P	23032	Float	4	R W	n/a	0.00001	0 - 25
51-1	Constant C	SG1 1P	23034	Float	4	R W	n/a	0.00001	0 - 1
51-1	Constant N	SG1 1P	23036	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-1	Constant R	SG1 1P	23038	Float	4	R W	n/a	0.00001	0 - 30
51-1	Voltage Restraint Setpoint	SG1 1P	23040	Float	4	R W	Volt	1	30 - 250
51-1	Voltage Restraint Mode	SG1 1P	23042	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG1 1P	23044	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-1	Low-Line Scale	SG1 1P	23046	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Voltage Restraint Source	SG1 1P	23048	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG1 1P	23050	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-1	Mode	SG1 3P	23052	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG1 3P	23054	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG1 3P	23056	Float	4	R W	Amp	0.001	0.9 - 7.75
51-1	Curve Index	SG1 3P	23058	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG1 3P	23060	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG1 3P	23062	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG1 3P	23064	Float	4	R W	n/a	0.1	0 - 9.9
51-1	Constant A	SG1 3P	23066	Float	4	R W	n/a	0.00001	0 - 600
51-1	Constant B	SG1 3P	23068	Float	4	R W	n/a	0.00001	0 - 25
51-1	Constant C	SG1 3P	23070	Float	4	R W	n/a	0.00001	0 - 1
51-1	Constant N	SG1 3P	23072	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-1	Constant R	SG1 3P	23074	Float	4	R W	n/a	0.00001	0 - 30
51-1	Voltage Restraint Setpoint	SG1 3P	23076	Float	4	R W	Volt	1	30 - 250
51-1	Voltage Restraint Mode	SG1 3P	23078	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG1 3P	23080	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-1	Low-Line Scale	SG1 3P	23082	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Voltage Restraint Source	SG1 3P	23084	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG1 3P	23086	Float	4	R W	n/a	0.00001	0.1 - 10
51-1	Mode	SG2 1P	23088	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG2 1P	23090	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG2 1P	23092	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-1	Curve Index	SG2 1P	23094	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG2 1P	23096	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG2 1P	23098	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG2 1P	23100	Float	4	R W	n/a	0.1	0 - 9.9
51-1	Constant A	SG2 1P	23102	Float	4	R W	n/a	0.00001	0 - 600
51-1	Constant B	SG2 1P	23104	Float	4	R W	n/a	0.00001	0 - 25
51-1	Constant C	SG2 1P	23106	Float	4	R W	n/a	0.00001	0 - 1
51-1	Constant N	SG2 1P	23108	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-1	Constant R	SG2 1P	23110	Float	4	R W	n/a	0.00001	0 - 30
51-1	Voltage Restraint Setpoint	SG2 1P	23112	Float	4	R W	Volt	1	30 - 250
51-1	Voltage Restraint Mode	SG2 1P	23114	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG2 1P	23116	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-1	Low-Line Scale	SG2 1P	23118	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Voltage Restraint Source	SG2 1P	23120	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG2 1P	23122	Float	4	R W	n/a	0.00001	0.1 - 10
51-1	Mode	SG2 3P	23124	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG2 3P	23126	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG2 3P	23128	Float	4	R W	Amp	0.001	0.9 - 7.75
51-1	Curve Index	SG2 3P	23130	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-1	Direction	SG2 3P	23132	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG2 3P	23134	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG2 3P	23136	Float	4	R W	n/a	0.1	0 - 9.9
51-1	Constant A	SG2 3P	23138	Float	4	R W	n/a	0.00001	0 - 600
51-1	Constant B	SG2 3P	23140	Float	4	R W	n/a	0.00001	0 - 25
51-1	Constant C	SG2 3P	23142	Float	4	R W	n/a	0.00001	0 - 1
51-1	Constant N	SG2 3P	23144	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-1	Constant R	SG2 3P	23146	Float	4	R W	n/a	0.00001	0 - 30
51-1	Voltage Restraint Setpoint	SG2 3P	23148	Float	4	R W	Volt	1	30 - 250
51-1	Voltage Restraint Mode	SG2 3P	23150	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG2 3P	23152	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-1	Low-Line Scale	SG2 3P	23154	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Voltage Restraint Source	SG2 3P	23156	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG2 3P	23158	Float	4	R W	n/a	0.00001	0.1 - 10
51-1	Mode	SG3 1P	23160	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG3 1P	23162	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG3 1P	23164	Float	4	R W	Amp	0.001	0.9 - 7.75
51-1	Curve Index	SG3 1P	23166	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG3 1P	23168	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG3 1P	23170	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG3 1P	23172	Float	4	R W	n/a	0.1	0 - 9.9
51-1	Constant A	SG3 1P	23174	Float	4	R W	n/a	0.00001	0 - 600
51-1	Constant B	SG3 1P	23176	Float	4	R W	n/a	0.00001	0 - 25
51-1	Constant C	SG3 1P	23178	Float	4	R W	n/a	0.00001	0 - 1
51-1	Constant N	SG3 1P	23180	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-1	Constant R	SG3 1P	23182	Float	4	R W	n/a	0.00001	0 - 30
51-1	Voltage Restraint Setpoint	SG3 1P	23184	Float	4	R W	Volt	1	30 - 250
51-1	Voltage Restraint Mode	SG3 1P	23186	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-1	Alarm Configuration	SG3 1P	23188	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-1	Low-Line Scale	SG3 1P	23190	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Voltage Restraint Source	SG3 1P	23192	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG3 1P	23194	Float	4	R W	n/a	0.00001	0.1 - 10
51-1	Mode	SG3 3P	23196	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-1	Source	SG3 3P	23198	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Pickup	SG3 3P	23200	Float	4	R W	Amp	0.001	0.9 - 7.75
51-1	Curve Index	SG3 3P	23202	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-1	Direction	SG3 3P	23204	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-1	Use Instantaneous Reset	SG3 3P	23206	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-1	Constant TD	SG3 3P	23208	Float	4	R W	n/a	0.1	0 - 9.9
51-1	Constant A	SG3 3P	23210	Float	4	R W	n/a	0.00001	0 - 600
51-1	Constant B	SG3 3P	23212	Float	4	R W	n/a	0.00001	0 - 25
51-1	Constant C	SG3 3P	23214	Float	4	R W	n/a	0.00001	0 - 1
51-1	Constant N	SG3 3P	23216	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-1	Constant R	SG3 3P	23218	Float	4	R W	n/a	0.00001	0 - 30
51-1	Voltage Restraint Setpoint	SG3 3P	23220	Float	4	R W	Volt	1	30 - 250
51-1	Voltage Restraint Mode	SG3 3P	23222	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-1	Alarm Configuration	SG3 3P	23224	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-1	Low-Line Scale	SG3 3P	23226	Float	4	R W	n/a	0.001	0.001 - 3
51-1	Voltage Restraint Source	SG3 3P	23228	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-1	Constant Q	SG3 3P	23230	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-2	Mode	SG0 1P	23232	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG0 1P	23234	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG0 1P	23236	Float	4	R W	Amp	0.001	0.9 - 7.75
51-2	Curve Index	SG0 1P	23238	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG0 1P	23240	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG0 1P	23242	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG0 1P	23244	Float	4	R W	n/a	0.1	0 - 9.9
51-2	Constant A	SG0 1P	23246	Float	4	R W	n/a	0.00001	0 - 600
51-2	Constant B	SG0 1P	23248	Float	4	R W	n/a	0.00001	0 - 25
51-2	Constant C	SG0 1P	23250	Float	4	R W	n/a	0.00001	0 - 1
51-2	Constant N	SG0 1P	23252	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-2	Constant R	SG0 1P	23254	Float	4	R W	n/a	0.00001	0 - 30
51-2	Voltage Restraint Setpoint	SG0 1P	23256	Float	4	R W	Volt	1	30 - 250
51-2	Voltage Restraint Mode	SG0 1P	23258	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG0 1P	23260	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-2	Low-Line Scale	SG0 1P	23262	Float	4	R W	n/a	0.001	0.001 - 3
51-2	Voltage Restraint Source	SG0 1P	23264	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG0 1P	23266	Float	4	R W	n/a	0.00001	0.1 - 10
51-2	Mode	SG0 3P	23268	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG0 3P	23270	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG0 3P	23272	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-2	Curve Index	SG0 3P	23274	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG0 3P	23276	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG0 3P	23278	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG0 3P	23280	Float	4	R W	n/a	0.1	0 - 9.9
51-2	Constant A	SG0 3P	23282	Float	4	R W	n/a	0.00001	0 - 600
51-2	Constant B	SG0 3P	23284	Float	4	R W	n/a	0.00001	0 - 25
51-2	Constant C	SG0 3P	23286	Float	4	R W	n/a	0.00001	0 - 1
51-2	Constant N	SG0 3P	23288	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-2	Constant R	SG0 3P	23290	Float	4	R W	n/a	0.00001	0 - 30
51-2	Voltage Restraint Setpoint	SG0 3P	23292	Float	4	R W	Volt	1	30 - 250
51-2	Voltage Restraint Mode	SG0 3P	23294	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG0 3P	23296	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-2	Low-Line Scale	SG0 3P	23298	Float	4	R W	n/a	0.001	0.001 - 3
51-2	Voltage Restraint Source	SG0 3P	23300	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG0 3P	23302	Float	4	R W	n/a	0.00001	0.1 - 10
51-2	Mode	SG1 1P	23304	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG1 1P	23306	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG1 1P	23308	Float	4	R W	Amp	0.001	0.9 - 7.75
51-2	Curve Index	SG1 1P	23310	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-2	Direction	SG1 1P	23312	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG1 1P	23314	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG1 1P	23316	Float	4	R W	n/a	0.1	0 - 9.9
51-2	Constant A	SG1 1P	23318	Float	4	R W	n/a	0.00001	0 - 600
51-2	Constant B	SG1 1P	23320	Float	4	R W	n/a	0.00001	0 - 25
51-2	Constant C	SG1 1P	23322	Float	4	R W	n/a	0.00001	0 - 1
51-2	Constant N	SG1 1P	23324	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-2	Constant R	SG1 1P	23326	Float	4	R W	n/a	0.00001	0 - 30
51-2	Voltage Restraint Setpoint	SG1 1P	23328	Float	4	R W	Volt	1	30 - 250
51-2	Voltage Restraint Mode	SG1 1P	23330	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG1 1P	23332	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-2	Low-Line Scale	SG1 1P	23334	Float	4	R W	n/a	0.001	0.001 - 3
51-2	Voltage Restraint Source	SG1 1P	23336	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG1 1P	23338	Float	4	R W	n/a	0.00001	0.1 - 10
51-2	Mode	SG1 3P	23340	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG1 3P	23342	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG1 3P	23344	Float	4	R W	Amp	0.001	0.9 - 7.75
51-2	Curve Index	SG1 3P	23346	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG1 3P	23348	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG1 3P	23350	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG1 3P	23352	Float	4	R W	n/a	0.1	0 - 9.9
51-2	Constant A	SG1 3P	23354	Float	4	R W	n/a	0.00001	0 - 600
51-2	Constant B	SG1 3P	23356	Float	4	R W	n/a	0.00001	0 - 25
51-2	Constant C	SG1 3P	23358	Float	4	R W	n/a	0.00001	0 - 1
51-2	Constant N	SG1 3P	23360	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-2	Constant R	SG1 3P	23362	Float	4	R W	n/a	0.00001	0 - 30
51-2	Voltage Restraint Setpoint	SG1 3P	23364	Float	4	R W	Volt	1	30 - 250
51-2	Voltage Restraint Mode	SG1 3P	23366	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-2	Alarm Configuration	SG1 3P	23368	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-2	Low-Line Scale	SG1 3P	23370	Float	4	R W	n/a	0.001	0.001 - 3
51-2	Voltage Restraint Source	SG1 3P	23372	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG1 3P	23374	Float	4	R W	n/a	0.00001	0.1 - 10
51-2	Mode	SG2 1P	23376	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG2 1P	23378	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG2 1P	23380	Float	4	R W	Amp	0.001	0.9 - 7.75
51-2	Curve Index	SG2 1P	23382	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG2 1P	23384	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG2 1P	23386	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG2 1P	23388	Float	4	R W	n/a	0.1	0 - 9.9
51-2	Constant A	SG2 1P	23390	Float	4	R W	n/a	0.00001	0 - 600
51-2	Constant B	SG2 1P	23392	Float	4	R W	n/a	0.00001	0 - 25
51-2	Constant C	SG2 1P	23394	Float	4	R W	n/a	0.00001	0 - 1
51-2	Constant N	SG2 1P	23396	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-2	Constant R	SG2 1P	23398	Float	4	R W	n/a	0.00001	0 - 30
51-2	Voltage Restraint Setpoint	SG2 1P	23400	Float	4	R W	Volt	1	30 - 250
51-2	Voltage Restraint Mode	SG2 1P	23402	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG2 1P	23404	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-2	Low-Line Scale	SG2 1P	23406	Float	4	R W	n/a	0.001	0.001 - 3
51-2	Voltage Restraint Source	SG2 1P	23408	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG2 1P	23410	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-2	Mode	SG2 3P	23412	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG2 3P	23414	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG2 3P	23416	Float	4	R W	Amp	0.001	0.9 - 7.75
51-2	Curve Index	SG2 3P	23418	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG2 3P	23420	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG2 3P	23422	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG2 3P	23424	Float	4	R W	n/a	0.1	0 - 9.9
51-2	Constant A	SG2 3P	23426	Float	4	R W	n/a	0.00001	0 - 600
51-2	Constant B	SG2 3P	23428	Float	4	R W	n/a	0.00001	0 - 25
51-2	Constant C	SG2 3P	23430	Float	4	R W	n/a	0.00001	0 - 1
51-2	Constant N	SG2 3P	23432	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-2	Constant R	SG2 3P	23434	Float	4	R W	n/a	0.00001	0 - 30
51-2	Voltage Restraint Setpoint	SG2 3P	23436	Float	4	R W	Volt	1	30 - 250
51-2	Voltage Restraint Mode	SG2 3P	23438	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG2 3P	23440	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-2	Low-Line Scale	SG2 3P	23442	Float	4	R W	n/a	0.001	0.001 - 3
51-2	Voltage Restraint Source	SG2 3P	23444	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG2 3P	23446	Float	4	R W	n/a	0.00001	0.1 - 10
51-2	Mode	SG3 1P	23448	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG3 1P	23450	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG3 1P	23452	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-2	Curve Index	SG3 1P	23454	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-2	Direction	SG3 1P	23456	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG3 1P	23458	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG3 1P	23460	Float	4	R W	n/a	0.1	0 - 9.9
51-2	Constant A	SG3 1P	23462	Float	4	R W	n/a	0.00001	0 - 600
51-2	Constant B	SG3 1P	23464	Float	4	R W	n/a	0.00001	0 - 25
51-2	Constant C	SG3 1P	23466	Float	4	R W	n/a	0.00001	0 - 1
51-2	Constant N	SG3 1P	23468	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-2	Constant R	SG3 1P	23470	Float	4	R W	n/a	0.00001	0 - 30
51-2	Voltage Restraint Setpoint	SG3 1P	23472	Float	4	R W	Volt	1	30 - 250
51-2	Voltage Restraint Mode	SG3 1P	23474	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG3 1P	23476	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-2	Low-Line Scale	SG3 1P	23478	Float	4	R W	n/a	0.001	0.001 - 3
51-2	Voltage Restraint Source	SG3 1P	23480	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG3 1P	23482	Float	4	R W	n/a	0.00001	0.1 - 10
51-2	Mode	SG3 3P	23484	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-2	Source	SG3 3P	23486	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Pickup	SG3 3P	23488	Float	4	R W	Amp	0.001	0.9 - 7.75
51-2	Curve Index	SG3 3P	23490	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-2	Direction	SG3 3P	23492	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-2	Use Instantaneous Reset	SG3 3P	23494	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-2	Constant TD	SG3 3P	23496	Float	4	R W	n/a	0.1	0 - 9.9
51-2	Constant A	SG3 3P	23498	Float	4	R W	n/a	0.00001	0 - 600
51-2	Constant B	SG3 3P	23500	Float	4	R W	n/a	0.00001	0 - 25
51-2	Constant C	SG3 3P	23502	Float	4	R W	n/a	0.00001	0 - 1
51-2	Constant N	SG3 3P	23504	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-2	Constant R	SG3 3P	23506	Float	4	R W	n/a	0.00001	0 - 30
51-2	Voltage Restraint Setpoint	SG3 3P	23508	Float	4	R W	Volt	1	30 - 250
51-2	Voltage Restraint Mode	SG3 3P	23510	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-2	Alarm Configuration	SG3 3P	23512	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-2	Low-Line Scale	SG3 3P	23514	Float	4	R W	n/a	0.001	0.001 - 3
51-2	Voltage Restraint Source	SG3 3P	23516	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-2	Constant Q	SG3 3P	23518	Float	4	R W	n/a	0.00001	0.1 - 10
51-3	Mode	SG0 1P	23520	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG0 1P	23522	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG0 1P	23524	Float	4	R W	Amp	0.001	0.9 - 7.75
51-3	Curve Index	SG0 1P	23526	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG0 1P	23528	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG0 1P	23530	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG0 1P	23532	Float	4	R W	n/a	0.1	0 - 9.9
51-3	Constant A	SG0 1P	23534	Float	4	R W	n/a	0.00001	0 - 600
51-3	Constant B	SG0 1P	23536	Float	4	R W	n/a	0.00001	0 - 25
51-3	Constant C	SG0 1P	23538	Float	4	R W	n/a	0.00001	0 - 1
51-3	Constant N	SG0 1P	23540	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-3	Constant R	SG0 1P	23542	Float	4	R W	n/a	0.00001	0 - 30
51-3	Voltage Restraint Setpoint	SG0 1P	23544	Float	4	R W	Volt	1	30 - 250
51-3	Voltage Restraint Mode	SG0 1P	23546	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-3	Alarm Configuration	SG0 1P	23548	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-3	Low-Line Scale	SG0 1P	23550	Float	4	R W	n/a	0.001	0.001 - 3
51-3	Voltage Restraint Source	SG0 1P	23552	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG0 1P	23554	Float	4	R W	n/a	0.00001	0.1 - 10
51-3	Mode	SG0 3P	23556	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG0 3P	23558	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG0 3P	23560	Float	4	R W	Amp	0.001	0.9 - 7.75
51-3	Curve Index	SG0 3P	23562	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG0 3P	23564	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG0 3P	23566	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG0 3P	23568	Float	4	R W	n/a	0.1	0 - 9.9
51-3	Constant A	SG0 3P	23570	Float	4	R W	n/a	0.00001	0 - 600
51-3	Constant B	SG0 3P	23572	Float	4	R W	n/a	0.00001	0 - 25
51-3	Constant C	SG0 3P	23574	Float	4	R W	n/a	0.00001	0 - 1
51-3	Constant N	SG0 3P	23576	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-3	Constant R	SG0 3P	23578	Float	4	R W	n/a	0.00001	0 - 30
51-3	Voltage Restraint Setpoint	SG0 3P	23580	Float	4	R W	Volt	1	30 - 250
51-3	Voltage Restraint Mode	SG0 3P	23582	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG0 3P	23584	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-3	Low-Line Scale	SG0 3P	23586	Float	4	R W	n/a	0.001	0.001 - 3
51-3	Voltage Restraint Source	SG0 3P	23588	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG0 3P	23590	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-3	Mode	SG1 1P	23592	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG1 1P	23594	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG1 1P	23596	Float	4	R W	Amp	0.001	0.9 - 7.75
51-3	Curve Index	SG1 1P	23598	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG1 1P	23600	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG1 1P	23602	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG1 1P	23604	Float	4	R W	n/a	0.1	0 - 9.9
51-3	Constant A	SG1 1P	23606	Float	4	R W	n/a	0.00001	0 - 600
51-3	Constant B	SG1 1P	23608	Float	4	R W	n/a	0.00001	0 - 25
51-3	Constant C	SG1 1P	23610	Float	4	R W	n/a	0.00001	0 - 1
51-3	Constant N	SG1 1P	23612	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-3	Constant R	SG1 1P	23614	Float	4	R W	n/a	0.00001	0 - 30
51-3	Voltage Restraint Setpoint	SG1 1P	23616	Float	4	R W	Volt	1	30 - 250
51-3	Voltage Restraint Mode	SG1 1P	23618	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG1 1P	23620	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-3	Low-Line Scale	SG1 1P	23622	Float	4	R W	n/a	0.001	0.001 - 3
51-3	Voltage Restraint Source	SG1 1P	23624	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG1 1P	23626	Float	4	R W	n/a	0.00001	0.1 - 10
51-3	Mode	SG1 3P	23628	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG1 3P	23630	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG1 3P	23632	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-3	Curve Index	SG1 3P	23634	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG1 3P	23636	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG1 3P	23638	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG1 3P	23640	Float	4	R W	n/a	0.1	0 - 9.9
51-3	Constant A	SG1 3P	23642	Float	4	R W	n/a	0.00001	0 - 600
51-3	Constant B	SG1 3P	23644	Float	4	R W	n/a	0.00001	0 - 25
51-3	Constant C	SG1 3P	23646	Float	4	R W	n/a	0.00001	0 - 1
51-3	Constant N	SG1 3P	23648	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-3	Constant R	SG1 3P	23650	Float	4	R W	n/a	0.00001	0 - 30
51-3	Voltage Restraint Setpoint	SG1 3P	23652	Float	4	R W	Volt	1	30 - 250
51-3	Voltage Restraint Mode	SG1 3P	23654	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG1 3P	23656	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-3	Low-Line Scale	SG1 3P	23658	Float	4	R W	n/a	0.001	0.001 - 3
51-3	Voltage Restraint Source	SG1 3P	23660	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG1 3P	23662	Float	4	R W	n/a	0.00001	0.1 - 10
51-3	Mode	SG2 1P	23664	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG2 1P	23666	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG2 1P	23668	Float	4	R W	Amp	0.001	0.9 - 7.75
51-3	Curve Index	SG2 1P	23670	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-3	Direction	SG2 1P	23672	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG2 1P	23674	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG2 1P	23676	Float	4	R W	n/a	0.1	0 - 9.9
51-3	Constant A	SG2 1P	23678	Float	4	R W	n/a	0.00001	0 - 600
51-3	Constant B	SG2 1P	23680	Float	4	R W	n/a	0.00001	0 - 25
51-3	Constant C	SG2 1P	23682	Float	4	R W	n/a	0.00001	0 - 1
51-3	Constant N	SG2 1P	23684	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-3	Constant R	SG2 1P	23686	Float	4	R W	n/a	0.00001	0 - 30
51-3	Voltage Restraint Setpoint	SG2 1P	23688	Float	4	R W	Volt	1	30 - 250
51-3	Voltage Restraint Mode	SG2 1P	23690	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG2 1P	23692	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-3	Low-Line Scale	SG2 1P	23694	Float	4	R W	n/a	0.001	0.001 - 3
51-3	Voltage Restraint Source	SG2 1P	23696	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG2 1P	23698	Float	4	R W	n/a	0.00001	0.1 - 10
51-3	Mode	SG2 3P	23700	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG2 3P	23702	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG2 3P	23704	Float	4	R W	Amp	0.001	0.9 - 7.75
51-3	Curve Index	SG2 3P	23706	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG2 3P	23708	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG2 3P	23710	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG2 3P	23712	Float	4	R W	n/a	0.1	0 - 9.9
51-3	Constant A	SG2 3P	23714	Float	4	R W	n/a	0.00001	0 - 600
51-3	Constant B	SG2 3P	23716	Float	4	R W	n/a	0.00001	0 - 25
51-3	Constant C	SG2 3P	23718	Float	4	R W	n/a	0.00001	0 - 1
51-3	Constant N	SG2 3P	23720	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-3	Constant R	SG2 3P	23722	Float	4	R W	n/a	0.00001	0 - 30
51-3	Voltage Restraint Setpoint	SG2 3P	23724	Float	4	R W	Volt	1	30 - 250
51-3	Voltage Restraint Mode	SG2 3P	23726	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-3	Alarm Configuration	SG2 3P	23728	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-3	Low-Line Scale	SG2 3P	23730	Float	4	R W	n/a	0.001	0.001 - 3
51-3	Voltage Restraint Source	SG2 3P	23732	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG2 3P	23734	Float	4	R W	n/a	0.00001	0.1 - 10
51-3	Mode	SG3 1P	23736	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG3 1P	23738	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG3 1P	23740	Float	4	R W	Amp	0.001	0.9 - 7.75
51-3	Curve Index	SG3 1P	23742	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG3 1P	23744	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG3 1P	23746	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG3 1P	23748	Float	4	R W	n/a	0.1	0 - 9.9
51-3	Constant A	SG3 1P	23750	Float	4	R W	n/a	0.00001	0 - 600
51-3	Constant B	SG3 1P	23752	Float	4	R W	n/a	0.00001	0 - 25
51-3	Constant C	SG3 1P	23754	Float	4	R W	n/a	0.00001	0 - 1
51-3	Constant N	SG3 1P	23756	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-3	Constant R	SG3 1P	23758	Float	4	R W	n/a	0.00001	0 - 30
51-3	Voltage Restraint Setpoint	SG3 1P	23760	Float	4	R W	Volt	1	30 - 250
51-3	Voltage Restraint Mode	SG3 1P	23762	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG3 1P	23764	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-3	Low-Line Scale	SG3 1P	23766	Float	4	R W	n/a	0.001	0.001 - 3
51-3	Voltage Restraint Source	SG3 1P	23768	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG3 1P	23770	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-3	Mode	SG3 3P	23772	UInt32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-3	Source	SG3 3P	23774	UInt32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Pickup	SG3 3P	23776	Float	4	R W	Amp	0.001	0.9 - 7.75
51-3	Curve Index	SG3 3P	23778	UInt32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-3	Direction	SG3 3P	23780	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-3	Use Instantaneous Reset	SG3 3P	23782	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-3	Constant TD	SG3 3P	23784	Float	4	R W	n/a	0.1	0 - 9.9
51-3	Constant A	SG3 3P	23786	Float	4	R W	n/a	0.00001	0 - 600
51-3	Constant B	SG3 3P	23788	Float	4	R W	n/a	0.00001	0 - 25
51-3	Constant C	SG3 3P	23790	Float	4	R W	n/a	0.00001	0 - 1
51-3	Constant N	SG3 3P	23792	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-3	Constant R	SG3 3P	23794	Float	4	R W	n/a	0.00001	0 - 30
51-3	Voltage Restraint Setpoint	SG3 3P	23796	Float	4	R W	Volt	1	30 - 250
51-3	Voltage Restraint Mode	SG3 3P	23798	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-3	Alarm Configuration	SG3 3P	23800	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-3	Low-Line Scale	SG3 3P	23802	Float	4	R W	n/a	0.001	0.001 - 3
51-3	Voltage Restraint Source	SG3 3P	23804	UInt32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-3	Constant Q	SG3 3P	23806	Float	4	R W	n/a	0.00001	0.1 - 10
51-4	Mode	SG0 1P	23808	UInt32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG0 1P	23810	UInt32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG0 1P	23812	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-4	Curve Index	SG0 1P	23814	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG0 1P	23816	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG0 1P	23818	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG0 1P	23820	Float	4	R W	n/a	0.1	0 - 9.9
51-4	Constant A	SG0 1P	23822	Float	4	R W	n/a	0.00001	0 - 600
51-4	Constant B	SG0 1P	23824	Float	4	R W	n/a	0.00001	0 - 25
51-4	Constant C	SG0 1P	23826	Float	4	R W	n/a	0.00001	0 - 1
51-4	Constant N	SG0 1P	23828	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-4	Constant R	SG0 1P	23830	Float	4	R W	n/a	0.00001	0 - 30
51-4	Voltage Restraint Setpoint	SG0 1P	23832	Float	4	R W	Volt	1	30 - 250
51-4	Voltage Restraint Mode	SG0 1P	23834	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG0 1P	23836	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-4	Low-Line Scale	SG0 1P	23838	Float	4	R W	n/a	0.001	0.001 - 3
51-4	Voltage Restraint Source	SG0 1P	23840	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG0 1P	23842	Float	4	R W	n/a	0.00001	0.1 - 10
51-4	Mode	SG0 3P	23844	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG0 3P	23846	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG0 3P	23848	Float	4	R W	Amp	0.001	0.9 - 7.75
51-4	Curve Index	SG0 3P	23850	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-4	Direction	SG0 3P	23852	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG0 3P	23854	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG0 3P	23856	Float	4	R W	n/a	0.1	0 - 9.9
51-4	Constant A	SG0 3P	23858	Float	4	R W	n/a	0.00001	0 - 600
51-4	Constant B	SG0 3P	23860	Float	4	R W	n/a	0.00001	0 - 25
51-4	Constant C	SG0 3P	23862	Float	4	R W	n/a	0.00001	0 - 1
51-4	Constant N	SG0 3P	23864	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-4	Constant R	SG0 3P	23866	Float	4	R W	n/a	0.00001	0 - 30
51-4	Voltage Restraint Setpoint	SG0 3P	23868	Float	4	R W	Volt	1	30 - 250
51-4	Voltage Restraint Mode	SG0 3P	23870	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG0 3P	23872	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-4	Low-Line Scale	SG0 3P	23874	Float	4	R W	n/a	0.001	0.001 - 3
51-4	Voltage Restraint Source	SG0 3P	23876	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG0 3P	23878	Float	4	R W	n/a	0.00001	0.1 - 10
51-4	Mode	SG1 1P	23880	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG1 1P	23882	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG1 1P	23884	Float	4	R W	Amp	0.001	0.9 - 7.75
51-4	Curve Index	SG1 1P	23886	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG1 1P	23888	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG1 1P	23890	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG1 1P	23892	Float	4	R W	n/a	0.1	0 - 9.9
51-4	Constant A	SG1 1P	23894	Float	4	R W	n/a	0.00001	0 - 600
51-4	Constant B	SG1 1P	23896	Float	4	R W	n/a	0.00001	0 - 25
51-4	Constant C	SG1 1P	23898	Float	4	R W	n/a	0.00001	0 - 1
51-4	Constant N	SG1 1P	23900	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-4	Constant R	SG1 1P	23902	Float	4	R W	n/a	0.00001	0 - 30
51-4	Voltage Restraint Setpoint	SG1 1P	23904	Float	4	R W	Volt	1	30 - 250
51-4	Voltage Restraint Mode	SG1 1P	23906	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-4	Alarm Configuration	SG1 1P	23908	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-4	Low-Line Scale	SG1 1P	23910	Float	4	R W	n/a	0.001	0.001 - 3
51-4	Voltage Restraint Source	SG1 1P	23912	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG1 1P	23914	Float	4	R W	n/a	0.00001	0.1 - 10
51-4	Mode	SG1 3P	23916	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG1 3P	23918	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG1 3P	23920	Float	4	R W	Amp	0.001	0.9 - 7.75
51-4	Curve Index	SG1 3P	23922	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG1 3P	23924	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG1 3P	23926	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG1 3P	23928	Float	4	R W	n/a	0.1	0 - 9.9
51-4	Constant A	SG1 3P	23930	Float	4	R W	n/a	0.00001	0 - 600
51-4	Constant B	SG1 3P	23932	Float	4	R W	n/a	0.00001	0 - 25
51-4	Constant C	SG1 3P	23934	Float	4	R W	n/a	0.00001	0 - 1
51-4	Constant N	SG1 3P	23936	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-4	Constant R	SG1 3P	23938	Float	4	R W	n/a	0.00001	0 - 30
51-4	Voltage Restraint Setpoint	SG1 3P	23940	Float	4	R W	Volt	1	30 - 250
51-4	Voltage Restraint Mode	SG1 3P	23942	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG1 3P	23944	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-4	Low-Line Scale	SG1 3P	23946	Float	4	R W	n/a	0.001	0.001 - 3
51-4	Voltage Restraint Source	SG1 3P	23948	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG1 3P	23950	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-4	Mode	SG2 1P	23952	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG2 1P	23954	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG2 1P	23956	Float	4	R W	Amp	0.001	0.9 - 7.75
51-4	Curve Index	SG2 1P	23958	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG2 1P	23960	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG2 1P	23962	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG2 1P	23964	Float	4	R W	n/a	0.1	0 - 9.9
51-4	Constant A	SG2 1P	23966	Float	4	R W	n/a	0.00001	0 - 600
51-4	Constant B	SG2 1P	23968	Float	4	R W	n/a	0.00001	0 - 25
51-4	Constant C	SG2 1P	23970	Float	4	R W	n/a	0.00001	0 - 1
51-4	Constant N	SG2 1P	23972	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-4	Constant R	SG2 1P	23974	Float	4	R W	n/a	0.00001	0 - 30
51-4	Voltage Restraint Setpoint	SG2 1P	23976	Float	4	R W	Volt	1	30 - 250
51-4	Voltage Restraint Mode	SG2 1P	23978	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG2 1P	23980	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-4	Low-Line Scale	SG2 1P	23982	Float	4	R W	n/a	0.001	0.001 - 3
51-4	Voltage Restraint Source	SG2 1P	23984	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG2 1P	23986	Float	4	R W	n/a	0.00001	0.1 - 10
51-4	Mode	SG2 3P	23988	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG2 3P	23990	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG2 3P	23992	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-4	Curve Index	SG2 3P	23994	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG2 3P	23996	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG2 3P	23998	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG2 3P	24000	Float	4	R W	n/a	0.1	0 - 9.9
51-4	Constant A	SG2 3P	24002	Float	4	R W	n/a	0.00001	0 - 600
51-4	Constant B	SG2 3P	24004	Float	4	R W	n/a	0.00001	0 - 25
51-4	Constant C	SG2 3P	24006	Float	4	R W	n/a	0.00001	0 - 1
51-4	Constant N	SG2 3P	24008	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-4	Constant R	SG2 3P	24010	Float	4	R W	n/a	0.00001	0 - 30
51-4	Voltage Restraint Setpoint	SG2 3P	24012	Float	4	R W	Volt	1	30 - 250
51-4	Voltage Restraint Mode	SG2 3P	24014	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG2 3P	24016	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-4	Low-Line Scale	SG2 3P	24018	Float	4	R W	n/a	0.001	0.001 - 3
51-4	Voltage Restraint Source	SG2 3P	24020	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG2 3P	24022	Float	4	R W	n/a	0.00001	0.1 - 10
51-4	Mode	SG3 1P	24024	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG3 1P	24026	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG3 1P	24028	Float	4	R W	Amp	0.001	0.9 - 7.75
51-4	Curve Index	SG3 1P	24030	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-4	Direction	SG3 1P	24032	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG3 1P	24034	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG3 1P	24036	Float	4	R W	n/a	0.1	0 - 9.9
51-4	Constant A	SG3 1P	24038	Float	4	R W	n/a	0.00001	0 - 600
51-4	Constant B	SG3 1P	24040	Float	4	R W	n/a	0.00001	0 - 25
51-4	Constant C	SG3 1P	24042	Float	4	R W	n/a	0.00001	0 - 1
51-4	Constant N	SG3 1P	24044	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-4	Constant R	SG3 1P	24046	Float	4	R W	n/a	0.00001	0 - 30
51-4	Voltage Restraint Setpoint	SG3 1P	24048	Float	4	R W	Volt	1	30 - 250
51-4	Voltage Restraint Mode	SG3 1P	24050	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-4	Alarm Configuration	SG3 1P	24052	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-4	Low-Line Scale	SG3 1P	24054	Float	4	R W	n/a	0.001	0.001 - 3
51-4	Voltage Restraint Source	SG3 1P	24056	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG3 1P	24058	Float	4	R W	n/a	0.00001	0.1 - 10
51-4	Mode	SG3 3P	24060	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-4	Source	SG3 3P	24062	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Pickup	SG3 3P	24064	Float	4	R W	Amp	0.001	0.9 - 7.75
51-4	Curve Index	SG3 3P	24066	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-4	Direction	SG3 3P	24068	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-4	Use Instantaneous Reset	SG3 3P	24070	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-4	Constant TD	SG3 3P	24072	Float	4	R W	n/a	0.1	0 - 9.9
51-4	Constant A	SG3 3P	24074	Float	4	R W	n/a	0.00001	0 - 600
51-4	Constant B	SG3 3P	24076	Float	4	R W	n/a	0.00001	0 - 25
51-4	Constant C	SG3 3P	24078	Float	4	R W	n/a	0.00001	0 - 1
51-4	Constant N	SG3 3P	24080	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-4	Constant R	SG3 3P	24082	Float	4	R W	n/a	0.00001	0 - 30
51-4	Voltage Restraint Setpoint	SG3 3P	24084	Float	4	R W	Volt	1	30 - 250
51-4	Voltage Restraint Mode	SG3 3P	24086	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-4	Alarm Configuration	SG3 3P	24088	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-4	Low-Line Scale	SG3 3P	24090	Float	4	R W	n/a	0.001	0.001 - 3
51-4	Voltage Restraint Source	SG3 3P	24092	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-4	Constant Q	SG3 3P	24094	Float	4	R W	n/a	0.00001	0.1 - 10
51-5	Mode	SG0 1P	24096	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG0 1P	24098	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG0 1P	24100	Float	4	R W	Amp	0.001	0.9 - 7.75
51-5	Curve Index	SG0 1P	24102	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG0 1P	24104	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG0 1P	24106	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG0 1P	24108	Float	4	R W	n/a	0.1	0 - 9.9
51-5	Constant A	SG0 1P	24110	Float	4	R W	n/a	0.00001	0 - 600
51-5	Constant B	SG0 1P	24112	Float	4	R W	n/a	0.00001	0 - 25
51-5	Constant C	SG0 1P	24114	Float	4	R W	n/a	0.00001	0 - 1
51-5	Constant N	SG0 1P	24116	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-5	Constant R	SG0 1P	24118	Float	4	R W	n/a	0.00001	0 - 30
51-5	Voltage Restraint Setpoint	SG0 1P	24120	Float	4	R W	Volt	1	30 - 250
51-5	Voltage Restraint Mode	SG0 1P	24122	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG0 1P	24124	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-5	Low-Line Scale	SG0 1P	24126	Float	4	R W	n/a	0.001	0.001 - 3
51-5	Voltage Restraint Source	SG0 1P	24128	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG0 1P	24130	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-5	Mode	SG0 3P	24132	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG0 3P	24134	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG0 3P	24136	Float	4	R W	Amp	0.001	0.9 - 7.75
51-5	Curve Index	SG0 3P	24138	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG0 3P	24140	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG0 3P	24142	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG0 3P	24144	Float	4	R W	n/a	0.1	0 - 9.9
51-5	Constant A	SG0 3P	24146	Float	4	R W	n/a	0.00001	0 - 600
51-5	Constant B	SG0 3P	24148	Float	4	R W	n/a	0.00001	0 - 25
51-5	Constant C	SG0 3P	24150	Float	4	R W	n/a	0.00001	0 - 1
51-5	Constant N	SG0 3P	24152	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-5	Constant R	SG0 3P	24154	Float	4	R W	n/a	0.00001	0 - 30
51-5	Voltage Restraint Setpoint	SG0 3P	24156	Float	4	R W	Volt	1	30 - 250
51-5	Voltage Restraint Mode	SG0 3P	24158	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG0 3P	24160	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-5	Low-Line Scale	SG0 3P	24162	Float	4	R W	n/a	0.001	0.001 - 3
51-5	Voltage Restraint Source	SG0 3P	24164	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG0 3P	24166	Float	4	R W	n/a	0.00001	0.1 - 10
51-5	Mode	SG1 1P	24168	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG1 1P	24170	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG1 1P	24172	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-5	Curve Index	SG1 1P	24174	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG1 1P	24176	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG1 1P	24178	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG1 1P	24180	Float	4	R W	n/a	0.1	0 - 9.9
51-5	Constant A	SG1 1P	24182	Float	4	R W	n/a	0.00001	0 - 600
51-5	Constant B	SG1 1P	24184	Float	4	R W	n/a	0.00001	0 - 25
51-5	Constant C	SG1 1P	24186	Float	4	R W	n/a	0.00001	0 - 1
51-5	Constant N	SG1 1P	24188	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-5	Constant R	SG1 1P	24190	Float	4	R W	n/a	0.00001	0 - 30
51-5	Voltage Restraint Setpoint	SG1 1P	24192	Float	4	R W	Volt	1	30 - 250
51-5	Voltage Restraint Mode	SG1 1P	24194	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG1 1P	24196	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-5	Low-Line Scale	SG1 1P	24198	Float	4	R W	n/a	0.001	0.001 - 3
51-5	Voltage Restraint Source	SG1 1P	24200	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG1 1P	24202	Float	4	R W	n/a	0.00001	0.1 - 10
51-5	Mode	SG1 3P	24204	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG1 3P	24206	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG1 3P	24208	Float	4	R W	Amp	0.001	0.9 - 7.75
51-5	Curve Index	SG1 3P	24210	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-5	Direction	SG1 3P	24212	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG1 3P	24214	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG1 3P	24216	Float	4	R W	n/a	0.1	0 - 9.9
51-5	Constant A	SG1 3P	24218	Float	4	R W	n/a	0.00001	0 - 600
51-5	Constant B	SG1 3P	24220	Float	4	R W	n/a	0.00001	0 - 25
51-5	Constant C	SG1 3P	24222	Float	4	R W	n/a	0.00001	0 - 1
51-5	Constant N	SG1 3P	24224	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-5	Constant R	SG1 3P	24226	Float	4	R W	n/a	0.00001	0 - 30
51-5	Voltage Restraint Setpoint	SG1 3P	24228	Float	4	R W	Volt	1	30 - 250
51-5	Voltage Restraint Mode	SG1 3P	24230	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG1 3P	24232	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-5	Low-Line Scale	SG1 3P	24234	Float	4	R W	n/a	0.001	0.001 - 3
51-5	Voltage Restraint Source	SG1 3P	24236	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG1 3P	24238	Float	4	R W	n/a	0.00001	0.1 - 10
51-5	Mode	SG2 1P	24240	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG2 1P	24242	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG2 1P	24244	Float	4	R W	Amp	0.001	0.9 - 7.75
51-5	Curve Index	SG2 1P	24246	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG2 1P	24248	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG2 1P	24250	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG2 1P	24252	Float	4	R W	n/a	0.1	0 - 9.9
51-5	Constant A	SG2 1P	24254	Float	4	R W	n/a	0.00001	0 - 600
51-5	Constant B	SG2 1P	24256	Float	4	R W	n/a	0.00001	0 - 25
51-5	Constant C	SG2 1P	24258	Float	4	R W	n/a	0.00001	0 - 1
51-5	Constant N	SG2 1P	24260	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-5	Constant R	SG2 1P	24262	Float	4	R W	n/a	0.00001	0 - 30
51-5	Voltage Restraint Setpoint	SG2 1P	24264	Float	4	R W	Volt	1	30 - 250
51-5	Voltage Restraint Mode	SG2 1P	24266	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-5	Alarm Configuration	SG2 1P	24268	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-5	Low-Line Scale	SG2 1P	24270	Float	4	R W	n/a	0.001	0.001 - 3
51-5	Voltage Restraint Source	SG2 1P	24272	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG2 1P	24274	Float	4	R W	n/a	0.00001	0.1 - 10
51-5	Mode	SG2 3P	24276	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG2 3P	24278	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG2 3P	24280	Float	4	R W	Amp	0.001	0.9 - 7.75
51-5	Curve Index	SG2 3P	24282	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG2 3P	24284	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG2 3P	24286	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG2 3P	24288	Float	4	R W	n/a	0.1	0 - 9.9
51-5	Constant A	SG2 3P	24290	Float	4	R W	n/a	0.00001	0 - 600
51-5	Constant B	SG2 3P	24292	Float	4	R W	n/a	0.00001	0 - 25
51-5	Constant C	SG2 3P	24294	Float	4	R W	n/a	0.00001	0 - 1
51-5	Constant N	SG2 3P	24296	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-5	Constant R	SG2 3P	24298	Float	4	R W	n/a	0.00001	0 - 30
51-5	Voltage Restraint Setpoint	SG2 3P	24300	Float	4	R W	Volt	1	30 - 250
51-5	Voltage Restraint Mode	SG2 3P	24302	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG2 3P	24304	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-5	Low-Line Scale	SG2 3P	24306	Float	4	R W	n/a	0.001	0.001 - 3
51-5	Voltage Restraint Source	SG2 3P	24308	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG2 3P	24310	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-5	Mode	SG3 1P	24312	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG3 1P	24314	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG3 1P	24316	Float	4	R W	Amp	0.001	0.9 - 7.75
51-5	Curve Index	SG3 1P	24318	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG3 1P	24320	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG3 1P	24322	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG3 1P	24324	Float	4	R W	n/a	0.1	0 - 9.9
51-5	Constant A	SG3 1P	24326	Float	4	R W	n/a	0.00001	0 - 600
51-5	Constant B	SG3 1P	24328	Float	4	R W	n/a	0.00001	0 - 25
51-5	Constant C	SG3 1P	24330	Float	4	R W	n/a	0.00001	0 - 1
51-5	Constant N	SG3 1P	24332	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-5	Constant R	SG3 1P	24334	Float	4	R W	n/a	0.00001	0 - 30
51-5	Voltage Restraint Setpoint	SG3 1P	24336	Float	4	R W	Volt	1	30 - 250
51-5	Voltage Restraint Mode	SG3 1P	24338	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG3 1P	24340	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-5	Low-Line Scale	SG3 1P	24342	Float	4	R W	n/a	0.001	0.001 - 3
51-5	Voltage Restraint Source	SG3 1P	24344	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG3 1P	24346	Float	4	R W	n/a	0.00001	0.1 - 10
51-5	Mode	SG3 3P	24348	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-5	Source	SG3 3P	24350	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Pickup	SG3 3P	24352	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-5	Curve Index	SG3 3P	24354	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-5	Direction	SG3 3P	24356	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-5	Use Instantaneous Reset	SG3 3P	24358	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-5	Constant TD	SG3 3P	24360	Float	4	R W	n/a	0.1	0 - 9.9
51-5	Constant A	SG3 3P	24362	Float	4	R W	n/a	0.00001	0 - 600
51-5	Constant B	SG3 3P	24364	Float	4	R W	n/a	0.00001	0 - 25
51-5	Constant C	SG3 3P	24366	Float	4	R W	n/a	0.00001	0 - 1
51-5	Constant N	SG3 3P	24368	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-5	Constant R	SG3 3P	24370	Float	4	R W	n/a	0.00001	0 - 30
51-5	Voltage Restraint Setpoint	SG3 3P	24372	Float	4	R W	Volt	1	30 - 250
51-5	Voltage Restraint Mode	SG3 3P	24374	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-5	Alarm Configuration	SG3 3P	24376	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-5	Low-Line Scale	SG3 3P	24378	Float	4	R W	n/a	0.001	0.001 - 3
51-5	Voltage Restraint Source	SG3 3P	24380	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-5	Constant Q	SG3 3P	24382	Float	4	R W	n/a	0.00001	0.1 - 10
51-6	Mode	SG0 1P	24384	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG0 1P	24386	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG0 1P	24388	Float	4	R W	Amp	0.001	0.9 - 7.75
51-6	Curve Index	SG0 1P	24390	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-6	Direction	SG0 1P	24392	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG0 1P	24394	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG0 1P	24396	Float	4	R W	n/a	0.1	0 - 9.9
51-6	Constant A	SG0 1P	24398	Float	4	R W	n/a	0.00001	0 - 600
51-6	Constant B	SG0 1P	24400	Float	4	R W	n/a	0.00001	0 - 25
51-6	Constant C	SG0 1P	24402	Float	4	R W	n/a	0.00001	0 - 1
51-6	Constant N	SG0 1P	24404	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-6	Constant R	SG0 1P	24406	Float	4	R W	n/a	0.00001	0 - 30
51-6	Voltage Restraint Setpoint	SG0 1P	24408	Float	4	R W	Volt	1	30 - 250
51-6	Voltage Restraint Mode	SG0 1P	24410	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG0 1P	24412	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-6	Low-Line Scale	SG0 1P	24414	Float	4	R W	n/a	0.001	0.001 - 3
51-6	Voltage Restraint Source	SG0 1P	24416	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG0 1P	24418	Float	4	R W	n/a	0.00001	0.1 - 10
51-6	Mode	SG0 3P	24420	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG0 3P	24422	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG0 3P	24424	Float	4	R W	Amp	0.001	0.9 - 7.75
51-6	Curve Index	SG0 3P	24426	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG0 3P	24428	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG0 3P	24430	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG0 3P	24432	Float	4	R W	n/a	0.1	0 - 9.9
51-6	Constant A	SG0 3P	24434	Float	4	R W	n/a	0.00001	0 - 600
51-6	Constant B	SG0 3P	24436	Float	4	R W	n/a	0.00001	0 - 25
51-6	Constant C	SG0 3P	24438	Float	4	R W	n/a	0.00001	0 - 1
51-6	Constant N	SG0 3P	24440	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-6	Constant R	SG0 3P	24442	Float	4	R W	n/a	0.00001	0 - 30
51-6	Voltage Restraint Setpoint	SG0 3P	24444	Float	4	R W	Volt	1	30 - 250
51-6	Voltage Restraint Mode	SG0 3P	24446	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-6	Alarm Configuration	SG0 3P	24448	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-6	Low-Line Scale	SG0 3P	24450	Float	4	R W	n/a	0.001	0.001 - 3
51-6	Voltage Restraint Source	SG0 3P	24452	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG0 3P	24454	Float	4	R W	n/a	0.00001	0.1 - 10
51-6	Mode	SG1 1P	24456	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG1 1P	24458	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG1 1P	24460	Float	4	R W	Amp	0.001	0.9 - 7.75
51-6	Curve Index	SG1 1P	24462	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG1 1P	24464	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG1 1P	24466	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG1 1P	24468	Float	4	R W	n/a	0.1	0 - 9.9
51-6	Constant A	SG1 1P	24470	Float	4	R W	n/a	0.00001	0 - 600
51-6	Constant B	SG1 1P	24472	Float	4	R W	n/a	0.00001	0 - 25
51-6	Constant C	SG1 1P	24474	Float	4	R W	n/a	0.00001	0 - 1
51-6	Constant N	SG1 1P	24476	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-6	Constant R	SG1 1P	24478	Float	4	R W	n/a	0.00001	0 - 30
51-6	Voltage Restraint Setpoint	SG1 1P	24480	Float	4	R W	Volt	1	30 - 250
51-6	Voltage Restraint Mode	SG1 1P	24482	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG1 1P	24484	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-6	Low-Line Scale	SG1 1P	24486	Float	4	R W	n/a	0.001	0.001 - 3
51-6	Voltage Restraint Source	SG1 1P	24488	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG1 1P	24490	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-6	Mode	SG1 3P	24492	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG1 3P	24494	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG1 3P	24496	Float	4	R W	Amp	0.001	0.9 - 7.75
51-6	Curve Index	SG1 3P	24498	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG1 3P	24500	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG1 3P	24502	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG1 3P	24504	Float	4	R W	n/a	0.1	0 - 9.9
51-6	Constant A	SG1 3P	24506	Float	4	R W	n/a	0.00001	0 - 600
51-6	Constant B	SG1 3P	24508	Float	4	R W	n/a	0.00001	0 - 25
51-6	Constant C	SG1 3P	24510	Float	4	R W	n/a	0.00001	0 - 1
51-6	Constant N	SG1 3P	24512	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-6	Constant R	SG1 3P	24514	Float	4	R W	n/a	0.00001	0 - 30
51-6	Voltage Restraint Setpoint	SG1 3P	24516	Float	4	R W	Volt	1	30 - 250
51-6	Voltage Restraint Mode	SG1 3P	24518	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG1 3P	24520	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-6	Low-Line Scale	SG1 3P	24522	Float	4	R W	n/a	0.001	0.001 - 3
51-6	Voltage Restraint Source	SG1 3P	24524	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG1 3P	24526	Float	4	R W	n/a	0.00001	0.1 - 10
51-6	Mode	SG2 1P	24528	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG2 1P	24530	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG2 1P	24532	Float	4	R W	Amp	0.001	0.9 - 7.75

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-6	Curve Index	SG2 1P	24534	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG2 1P	24536	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG2 1P	24538	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG2 1P	24540	Float	4	R W	n/a	0.1	0 - 9.9
51-6	Constant A	SG2 1P	24542	Float	4	R W	n/a	0.00001	0 - 600
51-6	Constant B	SG2 1P	24544	Float	4	R W	n/a	0.00001	0 - 25
51-6	Constant C	SG2 1P	24546	Float	4	R W	n/a	0.00001	0 - 1
51-6	Constant N	SG2 1P	24548	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-6	Constant R	SG2 1P	24550	Float	4	R W	n/a	0.00001	0 - 30
51-6	Voltage Restraint Setpoint	SG2 1P	24552	Float	4	R W	Volt	1	30 - 250
51-6	Voltage Restraint Mode	SG2 1P	24554	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG2 1P	24556	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-6	Low-Line Scale	SG2 1P	24558	Float	4	R W	n/a	0.001	0.001 - 3
51-6	Voltage Restraint Source	SG2 1P	24560	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG2 1P	24562	Float	4	R W	n/a	0.00001	0.1 - 10
51-6	Mode	SG2 3P	24564	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG2 3P	24566	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG2 3P	24568	Float	4	R W	Amp	0.001	0.9 - 7.75
51-6	Curve Index	SG2 3P	24570	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-6	Direction	SG2 3P	24572	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG2 3P	24574	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG2 3P	24576	Float	4	R W	n/a	0.1	0 - 9.9
51-6	Constant A	SG2 3P	24578	Float	4	R W	n/a	0.00001	0 - 600
51-6	Constant B	SG2 3P	24580	Float	4	R W	n/a	0.00001	0 - 25
51-6	Constant C	SG2 3P	24582	Float	4	R W	n/a	0.00001	0 - 1
51-6	Constant N	SG2 3P	24584	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-6	Constant R	SG2 3P	24586	Float	4	R W	n/a	0.00001	0 - 30
51-6	Voltage Restraint Setpoint	SG2 3P	24588	Float	4	R W	Volt	1	30 - 250
51-6	Voltage Restraint Mode	SG2 3P	24590	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG2 3P	24592	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-6	Low-Line Scale	SG2 3P	24594	Float	4	R W	n/a	0.001	0.001 - 3
51-6	Voltage Restraint Source	SG2 3P	24596	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG2 3P	24598	Float	4	R W	n/a	0.00001	0.1 - 10
51-6	Mode	SG3 1P	24600	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG3 1P	24602	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG3 1P	24604	Float	4	R W	Amp	0.001	0.9 - 7.75
51-6	Curve Index	SG3 1P	24606	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG3 1P	24608	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG3 1P	24610	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG3 1P	24612	Float	4	R W	n/a	0.1	0 - 9.9
51-6	Constant A	SG3 1P	24614	Float	4	R W	n/a	0.00001	0 - 600
51-6	Constant B	SG3 1P	24616	Float	4	R W	n/a	0.00001	0 - 25
51-6	Constant C	SG3 1P	24618	Float	4	R W	n/a	0.00001	0 - 1
51-6	Constant N	SG3 1P	24620	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-6	Constant R	SG3 1P	24622	Float	4	R W	n/a	0.00001	0 - 30
51-6	Voltage Restraint Setpoint	SG3 1P	24624	Float	4	R W	Volt	1	30 - 250
51-6	Voltage Restraint Mode	SG3 1P	24626	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
51-6	Alarm Configuration	SG3 1P	24628	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-6	Low-Line Scale	SG3 1P	24630	Float	4	R W	n/a	0.001	0.001 - 3
51-6	Voltage Restraint Source	SG3 1P	24632	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG3 1P	24634	Float	4	R W	n/a	0.00001	0.1 - 10
51-6	Mode	SG3 3P	24636	Uint32	4	R W	n/a	n/a	Disabled=0 IA=1 IB=2 IC=3 Imax=4 3I0=5 I2=6 IG=7 I1=8
51-6	Source	SG3 3P	24638	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Pickup	SG3 3P	24640	Float	4	R W	Amp	0.001	0.9 - 7.75
51-6	Curve Index	SG3 3P	24642	Uint32	4	R W	n/a	n/a	S1=0 S2=1 L1=2 L2=3 D=4 M=5 I1=6 I2=7 V1=8 V2=9 E1=10 E2=11 A=12 B=13 C=14 G=15 F=16 46=17 P=18
51-6	Direction	SG3 3P	24644	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
51-6	Use Instantaneous Reset	SG3 3P	24646	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
51-6	Constant TD	SG3 3P	24648	Float	4	R W	n/a	0.1	0 - 9.9
51-6	Constant A	SG3 3P	24650	Float	4	R W	n/a	0.00001	0 - 600
51-6	Constant B	SG3 3P	24652	Float	4	R W	n/a	0.00001	0 - 25
51-6	Constant C	SG3 3P	24654	Float	4	R W	n/a	0.00001	0 - 1
51-6	Constant N	SG3 3P	24656	Float	4	R W	n/a	0.00001	0.5 - 2.5
51-6	Constant R	SG3 3P	24658	Float	4	R W	n/a	0.00001	0 - 30
51-6	Voltage Restraint Setpoint	SG3 3P	24660	Float	4	R W	Volt	1	30 - 250
51-6	Voltage Restraint Mode	SG3 3P	24662	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
51-6	Alarm Configuration	SG3 3P	24664	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
51-6	Low-Line Scale	SG3 3P	24666	Float	4	R W	n/a	0.001	0.001 - 3
51-6	Voltage Restraint Source	SG3 3P	24668	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
51-6	Constant Q	SG3 3P	24670	Float	4	R W	n/a	0.00001	0.1 - 10
78-1	Mode	SG0	24672	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Source	SG0	24674	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
78-1	Pickup	SG0	24676	Float	4	R W	Degree	1	2 - 90

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
78-1	Alarm Configuration	SG0	24678	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
78-1	Mode	SG1	24680	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Source	SG1	24682	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
78-1	Pickup	SG1	24684	Float	4	R W	Degree	1	2 - 90
78-1	Alarm Configuration	SG1	24686	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
78-1	Mode	SG2	24688	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Source	SG2	24690	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
78-1	Pickup	SG2	24692	Float	4	R W	Degree	1	2 - 90
78-1	Alarm Configuration	SG2	24694	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
78-1	Mode	SG3	24696	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-1	Source	SG3	24698	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
78-1	Pickup	SG3	24700	Float	4	R W	Degree	1	2 - 90
78-1	Alarm Configuration	SG3	24702	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
78-2	Mode	SG0	24704	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Source	SG0	24706	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
78-2	Pickup	SG0	24708	Float	4	R W	Degree	1	2 - 90
78-2	Alarm Configuration	SG0	24710	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
78-2	Mode	SG1	24712	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Source	SG1	24714	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
78-2	Pickup	SG1	24716	Float	4	R W	Degree	1	2 - 90
78-2	Alarm Configuration	SG1	24718	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
78-2	Mode	SG2	24720	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
78-2	Source	SG2	24722	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
78-2	Pickup	SG2	24724	Float	4	R W	Degree	1	2 - 90
78-2	Alarm Configuration	SG2	24726	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
78-2	Mode	SG3	24728	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
78-2	Source	SG3	24730	Uint32	4	R W	n/a	n/a	Gen=0 Bus 1=1 Bus 2=2
78-2	Pickup	SG3	24732	Float	4	R W	Degree	1	2 - 90
78-2	Alarm Configuration	SG3	24734	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Battery Voltage Protection	Weak Battery Mode	GG	24736	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Voltage Protection	Undervoltage Mode	GG	24738	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Voltage Protection	Overvoltage Mode	GG	24740	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Battery Voltage Protection	Weak Battery Threshold	GG	24742	Float	4	R W	Volt	0.1	4 - 28
Battery Voltage Protection	Undervoltage Threshold	GG	24744	Float	4	R W	Volt	0.1	0 or 6 - 28
Battery Voltage Protection	Overvoltage Threshold	GG	24746	Float	4	R W	Volt	0.1	0 or 12 - 32
Battery Voltage Protection	Weak Battery Time Delay	GG	24748	Float	4	R W	Millisecond	100	0 - 10000
Battery Voltage Protection	Under Voltage Time Delay	GG	24750	Float	4	R W	Millisecond	100	0 - 60000
Oil Pressure Protection	Alarm Mode	GG	24752	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Oil Pressure Protection	Pre-Alarm Mode	GG	24754	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Oil Pressure Protection	Alarm Threshold	GG	24756	Float	4	R W	PSI	0.1	2.9 - 150
Oil Pressure Protection	Pre-Alarm Threshold	GG	24758	Float	4	R W	PSI	0.1	2.9 - 150
Oil Pressure Protection	Arming Delay	GG	24760	Float	4	R W	Millisecond	1000	5000 - 60000
Coolant Temperature Protection	High Coolant Temp Alarm Mode	GG	24762	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coolant Temperature Protection	High Coolant Temp Pre-Alarm Mode	GG	24764	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coolant Temperature Protection	Low Coolant Temp Pre-Alarm Mode	GG	24766	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coolant Temperature Protection	High Coolant Temp Alarm Threshold	GG	24768	Float	4	R W	Deg F	1	100 - 280
Coolant Temperature Protection	High Coolant TempPre-Alarm Threshold	GG	24770	Float	4	R W	Deg F	1	100 - 280
Coolant Temperature Protection	Low Coolant Temp Pre-Alarm Threshold	GG	24772	Float	4	R W	Deg F	1	0 - 151
Coolant Temperature Protection	High Coolant Temp Arming Delay	GG	24774	Float	4	R W	Millisecond	1000	0 - 150000
Fuel Level Protection	Low Fuel Alarm Mode	GG	24776	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Fuel Level Protection	LowFuelPreAlarmMode	GG	24778	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Fuel Level Protection	High Fuel Pre-Alarm Mode	GG	24780	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Fuel Level Protection	Low Fuel Alarm Threshold	GG	24782	Float	4	R W	Percent	1	0 - 100
Fuel Level Protection	Low Fuel Pre-Alarm Threshold	GG	24784	Float	4	R W	Percent	1	10 - 100
Fuel Level Protection	High Fuel Pre-Alarm Threshold	GG	24786	Float	4	R W	Percent	1	0 - 150
Fuel Level Protection	Low Fuel Alarm Activation Delay	GG	24788	Float	4	R W	Millisecond	1000	0 - 30000
Fuel Level Protection	High Fuel Pre-Alarm Activation Delay	GG	24790	Float	4	R W	Millisecond	1000	0 - 30000
Overspeed Protection	Overspeed Mode	GG	24792	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Overspeed Protection	Overspeed Threshold	GG	24794	Float	4	R W	Percent	1	105 - 140
Overspeed Protection	Overspeed Activation Delay	GG	24796	Float	4	R W	Millisecond	1	0 - 500
Coolant Level Protection	Low Coolant Level Alarm Mode	GG	24798	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coolant Level Protection	Low Coolant Level Pre-Alarm Mode	GG	24800	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Coolant Level Protection	Low Coolant Level Alarm Threshold	GG	24802	Float	4	R W	Percent	1	1 - 99
Coolant Level Protection	Low Coolant Level Pre-Alarm Threshold	GG	24804	Float	4	R W	Percent	1	1 - 99
Config Protection 1	Parameter Selection	GG	24806	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Config Protection 1	Hysteresis	GG	24808	Float	4	R W	Percent	0.1	0 - 100
Config Protection 1	Arming Delay	GG	24810	Float	4	R W	Second	1	0 - 9999
Config Protection 1	Threshold 1 Type	GG	24812	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 1	Threshold 1 Pickup	GG	24814	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 1	Threshold 1 Activation Delay	GG	24816	Float	4	R W	Second	1	0 - 9999
Config Protection 1	Threshold 1 Alarm Configuration	GG	24818	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 1	Threshold 2 Type	GG	24820	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 1	Threshold 2 Pickup	GG	24822	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 1	Threshold 2 Activation Delay	GG	24824	Float	4	R W	Second	1	0 - 9999
Config Protection 1	Threshold 2 Alarm Configuration	GG	24826	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 1	Threshold 3 Type	GG	24828	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 1	Threshold 3 Pickup	GG	24830	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 1	Threshold 3 Activation Delay	GG	24832	Float	4	R W	Second	1	0 - 9999
Config Protection 1	Threshold 3 Alarm Configuration	GG	24834	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 1	Threshold 4 Type	GG	24836	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 1	Threshold 4 Pickup	GG	24838	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 1	Threshold 4 Activation Delay	GG	24840	Float	4	R W	Second	1	0 - 9999
Config Protection 1	Threshold 4 Alarm Configuration	GG	24842	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 1	Low-Line Scale Current	GG	24844	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 1	Low-Line Scale Voltage	GG	24846	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 1	Label	GG	24848	String	16	R W	n/a	1	0 - 16
Config Protection 2	Parameter Selection	GG	24856	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Config Protection 2	Hysteresis	GG	24858	Float	4	R W	Percent	0.1	0 - 100
Config Protection 2	Arming Delay	GG	24860	Float	4	R W	Second	1	0 - 9999
Config Protection 2	Threshold 1 Type	GG	24862	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 2	Threshold 1 Pickup	GG	24864	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 2	Threshold 1 Activation Delay	GG	24866	Float	4	R W	Second	1	0 - 9999
Config Protection 2	Threshold 1 Alarm Configuration	GG	24868	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 2	Threshold 2 Type	GG	24870	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 2	Threshold 2 Pickup	GG	24872	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 2	Threshold 2 Activation Delay	GG	24874	Float	4	R W	Second	1	0 - 9999
Config Protection 2	Threshold 2 Alarm Configuration	GG	24876	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 2	Threshold 3 Type	GG	24878	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 2	Threshold 3 Pickup	GG	24880	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 2	Threshold 3 Activation Delay	GG	24882	Float	4	R W	Second	1	0 - 9999
Config Protection 2	Threshold 3 Alarm Configuration	GG	24884	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 2	Threshold 4 Type	GG	24886	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 2	Threshold 4 Pickup	GG	24888	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 2	Threshold 4 Activation Delay	GG	24890	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 2	Threshold 4 Alarm Configuration	GG	24892	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 2	Low-Line Scale Current	GG	24894	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 2	Low-Line Scale Voltage	GG	24896	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 2	Label	GG	24898	String	16	R W	n/a	1	0 - 16
Config Protection 3	ParamSelection	GG	24906	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Config Protection 3	Hysteresis	GG	24908	Float	4	R W	Percent	0.1	0 - 100
Config Protection 3	Arming Delay	GG	24910	Float	4	R W	Second	1	0 - 9999
Config Protection 3	Threshold 1 Type	GG	24912	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 3	Threshold 1 Pickup	GG	24914	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 3	Threshold 1 Activation Delay	GG	24916	Float	4	R W	Second	1	0 - 9999
Config Protection 3	Threshold 1 Alarm Configuration	GG	24918	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 3	Threshold 2 Type	GG	24920	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 3	Threshold 2 Pickup	GG	24922	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 3	Threshold 2 Activation Delay	GG	24924	Float	4	R W	Second	1	0 - 9999
Config Protection 3	Threshold 2 Alarm Configuration	GG	24926	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 3	Threshold 3 Type	GG	24928	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 3	Threshold 3 Pickup	GG	24930	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 3	Threshold 3 Activation Delay	GG	24932	Float	4	R W	Second	1	0 - 9999
Config Protection 3	Threshold 3 Alarm Configuration	GG	24934	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 3	Threshold 4 Type	GG	24936	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 3	Threshold 4 Pickup	GG	24938	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 3	Threshold 4 Activation Delay	GG	24940	Float	4	R W	Second	1	0 - 9999
Config Protection 3	Threshold 4 Alarm Configuration	GG	24942	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 3	Low-Line Scale Current	GG	24944	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 3	Low-Line Scale Voltage	GG	24946	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 3	Label	GG	24948	String	16	R W	n/a	1	0 - 16
Config Protection 4	Parameter Selection	GG	24956	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Config Protection 4	Hysteresis	GG	24958	Float	4	R W	Percent	0.1	0 - 100
Config Protection 4	Arming Delay	GG	24960	Float	4	R W	Second	1	0 - 9999
Config Protection 4	Threshold 1 Type	GG	24962	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 4	Threshold 1 Pickup	GG	24964	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 4	Threshold 1 Activation Delay	GG	24966	Float	4	R W	Second	1	0 - 9999
Config Protection 4	Threshold 1 Alarm Configuration	GG	24968	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 4	Threshold 2 Type	GG	24970	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 4	Threshold 2 Pickup	GG	24972	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 4	Threshold 2 Activation Delay	GG	24974	Float	4	R W	Second	1	0 - 9999
Config Protection 4	Threshold 2 Alarm Configuration	GG	24976	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 4	Threshold 3 Type	GG	24978	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 4	Threshold 3 Pickup	GG	24980	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 4	Threshold 3 Activation Delay	GG	24982	Float	4	R W	Second	1	0 - 9999
Config Protection 4	Threshold 3 Alarm Configuration	GG	24984	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 4	Threshold 4 Type	GG	24986	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 4	Threshold 4 Pickup	GG	24988	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 4	Threshold 4 Activation Delay	GG	24990	Float	4	R W	Second	1	0 - 9999
Config Protection 4	Threshold 4 Alarm Configuration	GG	24992	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 4	Low-Line Scale Current	GG	24994	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 4	Low-Line Scale Voltage	GG	24996	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 4	Label	GG	24998	String	16	R W	n/a	1	0 - 16

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 5	Parameter Selection	GG	25006	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Config Protection 5	Hysteresis	GG	25008	Float	4	R W	Percent	0.1	0 - 100
Config Protection 5	Arming Delay	GG	25010	Float	4	R W	Second	1	0 - 9999
Config Protection 5	Threshold 1 Type	GG	25012	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 5	Threshold 1 Pickup	GG	25014	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 5	Threshold 1 Activation Delay	GG	25016	Float	4	R W	Second	1	0 - 9999
Config Protection 5	Threshold 1 Alarm Configuration	GG	25018	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 5	Threshold 2 Type	GG	25020	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 5	Threshold 2 Pickup	GG	25022	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 5	Threshold 2 Activation Delay	GG	25024	Float	4	R W	Second	1	0 - 9999
Config Protection 5	Threshold 2 Alarm Configuration	GG	25026	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 5	Threshold 3 Type	GG	25028	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 5	Threshold 3 Pickup	GG	25030	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 5	Threshold 3 Activation Delay	GG	25032	Float	4	R W	Second	1	0 - 9999
Config Protection 5	Threshold 3 Alarm Configuration	GG	25034	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 5	Threshold 4 Type	GG	25036	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 5	Threshold 4 Pickup	GG	25038	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 5	Threshold 4 Activation Delay	GG	25040	Float	4	R W	Second	1	0 - 9999
Config Protection 5	Threshold 4 Alarm Configuration	GG	25042	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 5	Low-Line Scale Current	GG	25044	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 5	Low-Line Scale Voltage	GG	25046	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 5	Label	GG	25048	String	16	R W	n/a	1	0 - 16
Config Protection 6	Parameter Selection	GG	25056	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Config Protection 6	Hysteresis	GG	25058	Float	4	R W	Percent	0.1	0 - 100
Config Protection 6	Arming Delay	GG	25060	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 6	Threshold 1 Type	GG	25062	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 6	Threshold 1 Pickup	GG	25064	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 6	Threshold 1 Activation Delay	GG	25066	Float	4	R W	Second	1	0 - 9999
Config Protection 6	Threshold 1 Alarm Configuration	GG	25068	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 6	Threshold 2 Type	GG	25070	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 6	Threshold 2 Pickup	GG	25072	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 6	Threshold 2 Activation Delay	GG	25074	Float	4	R W	Second	1	0 - 9999
Config Protection 6	Threshold 2 Alarm Configuration	GG	25076	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 6	Threshold 3 Type	GG	25078	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 6	Threshold 3 Pickup	GG	25080	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 6	Threshold 3 Activation Delay	GG	25082	Float	4	R W	Second	1	0 - 9999
Config Protection 6	Threshold 3 Alarm Configuration	GG	25084	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 6	Threshold 4 Type	GG	25086	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 6	Threshold 4 Pickup	GG	25088	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 6	Threshold 4 Activation Delay	GG	25090	Float	4	R W	Second	1	0 - 9999
Config Protection 6	Threshold 4 Alarm Configuration	GG	25092	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 6	Low-Line Scale Current	GG	25094	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 6	Low-Line Scale Voltage	GG	25096	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 6	Label	GG	25098	String	16	R W	n/a	1	0 - 16
Config Protection 7	Parameter Selection	GG	25106	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Config Protection 7	Hysteresis	GG	25108	Float	4	R W	Percent	0.1	0 - 100
Config Protection 7	Arming Delay	GG	25110	Float	4	R W	Second	1	0 - 9999
Config Protection 7	Threshold 1 Type	GG	25112	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 7	Threshold 1 Pickup	GG	25114	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 7	Threshold 1 Activation Delay	GG	25116	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 7	Threshold 1 Alarm Configuration	GG	25118	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 7	Threshold 2 Type	GG	25120	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 7	Threshold 2 Pickup	GG	25122	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 7	Threshold 2 Activation Delay	GG	25124	Float	4	R W	Second	1	0 - 9999
Config Protection 7	Threshold 2 Alarm Configuration	GG	25126	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 7	Threshold 3 Type	GG	25128	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 7	Threshold 3 Pickup	GG	25130	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 7	Threshold 3 Activation Delay	GG	25132	Float	4	R W	Second	1	0 - 9999
Config Protection 7	Threshold 3 Alarm Configuration	GG	25134	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 7	Threshold 4 Type	GG	25136	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 7	Threshold 4 Pickup	GG	25138	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 7	Threshold 4 Activation Delay	GG	25140	Float	4	R W	Second	1	0 - 9999
Config Protection 7	Threshold 4 Alarm Configuration	GG	25142	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 7	Low-Line Scale Current	GG	25144	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 7	Low-Line Scale Voltage	GG	25146	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 7	Label	GG	25148	String	16	R W	n/a	1	0 - 16
Config Protection 8	Parameter Selection	GG	25156	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Config Protection 8	Hysteresis	GG	25158	Float	4	R W	Percent	0.1	0 - 100
Config Protection 8	Arming Delay	GG	25160	Float	4	R W	Second	1	0 - 9999
Config Protection 8	Threshold 1 Type	GG	25162	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 8	Threshold 1 Pickup	GG	25164	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 8	Threshold 1 Activation Delay	GG	25166	Float	4	R W	Second	1	0 - 9999
Config Protection 8	Threshold 1 Alarm Configuration	GG	25168	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Config Protection 8	Threshold 2 Type	GG	25170	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 8	Threshold 2 Pickup	GG	25172	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 8	Threshold 2 Activation Delay	GG	25174	Float	4	R W	Second	1	0 - 9999
Config Protection 8	Threshold 2 Alarm Configuration	GG	25176	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 8	Threshold 3 Type	GG	25178	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 8	Threshold 3 Pickup	GG	25180	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 8	Threshold 3 Activation Delay	GG	25182	Float	4	R W	Second	1	0 - 9999
Config Protection 8	Threshold 3 Alarm Configuration	GG	25184	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 8	Threshold 4 Type	GG	25186	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Config Protection 8	Threshold 4 Pickup	GG	25188	Float	4	R W	n/a	0.01	-999999 - 999999
Config Protection 8	Threshold 4 Activation Delay	GG	25190	Float	4	R W	Second	1	0 - 9999
Config Protection 8	Threshold 4 Alarm Configuration	GG	25192	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Config Protection 8	Low-Line Scale Current	GG	25194	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 8	Low-Line Scale Voltage	GG	25196	Float	4	R W	n/a	0.001	0.001 - 3
Config Protection 8	Label	GG	25198	String	16	R W	n/a	1	0 - 16
27P-1	Hysteresis	SG0 1P	25206	Float	4	R W	Volt	1	1 - 60
27P-1	Hysteresis	SG0 3P	25208	Float	4	R W	Volt	1	1 - 60
27P-1	Hysteresis	SG1 1P	25210	Float	4	R W	Volt	1	1 - 60
27P-1	Hysteresis	SG1 3P	25212	Float	4	R W	Volt	1	1 - 60
27P-1	Hysteresis	SG2 1P	25214	Float	4	R W	Volt	1	1 - 60
27P-1	Hysteresis	SG2 3P	25216	Float	4	R W	Volt	1	1 - 60
27P-1	Hysteresis	SG3 1P	25218	Float	4	R W	Volt	1	1 - 60
27P-1	Hysteresis	SG3 3P	25220	Float	4	R W	Volt	1	1 - 60
27P-2	Hysteresis	SG0 1P	25222	Float	4	R W	Volt	1	1 - 60
27P-2	Hysteresis	SG0 3P	25224	Float	4	R W	Volt	1	1 - 60
27P-2	Hysteresis	SG1 1P	25226	Float	4	R W	Volt	1	1 - 60
27P-2	Hysteresis	SG1 3P	25228	Float	4	R W	Volt	1	1 - 60
27P-2	Hysteresis	SG2 1P	25230	Float	4	R W	Volt	1	1 - 60
27P-2	Hysteresis	SG2 3P	25232	Float	4	R W	Volt	1	1 - 60
27P-2	Hysteresis	SG3 1P	25234	Float	4	R W	Volt	1	1 - 60
27P-2	Hysteresis	SG3 3P	25236	Float	4	R W	Volt	1	1 - 60
27P-3	Hysteresis	SG0 1P	25238	Float	4	R W	Volt	1	1 - 60
27P-3	Hysteresis	SG0 3P	25240	Float	4	R W	Volt	1	1 - 60
27P-3	Hysteresis	SG1 1P	25242	Float	4	R W	Volt	1	1 - 60
27P-3	Hysteresis	SG1 3P	25244	Float	4	R W	Volt	1	1 - 60
27P-3	Hysteresis	SG2 1P	25246	Float	4	R W	Volt	1	1 - 60
27P-3	Hysteresis	SG2 3P	25248	Float	4	R W	Volt	1	1 - 60
27P-3	Hysteresis	SG3 1P	25250	Float	4	R W	Volt	1	1 - 60
27P-3	Hysteresis	SG3 3P	25252	Float	4	R W	Volt	1	1 - 60
27P-4	Hysteresis	SG0 1P	25254	Float	4	R W	Volt	1	1 - 60
27P-4	Hysteresis	SG0 3P	25256	Float	4	R W	Volt	1	1 - 60
27P-4	Hysteresis	SG1 1P	25258	Float	4	R W	Volt	1	1 - 60
27P-4	Hysteresis	SG1 3P	25260	Float	4	R W	Volt	1	1 - 60

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
27P-4	Hysteresis	SG2 1P	25262	Float	4	R W	Volt	1	1 - 60
27P-4	Hysteresis	SG2 3P	25264	Float	4	R W	Volt	1	1 - 60
27P-4	Hysteresis	SG3 1P	25266	Float	4	R W	Volt	1	1 - 60
27P-4	Hysteresis	SG3 3P	25268	Float	4	R W	Volt	1	1 - 60
27P-5	Hysteresis	SG0 1P	25270	Float	4	R W	Volt	1	1 - 60
27P-5	Hysteresis	SG0 3P	25272	Float	4	R W	Volt	1	1 - 60
27P-5	Hysteresis	SG1 1P	25274	Float	4	R W	Volt	1	1 - 60
27P-5	Hysteresis	SG1 3P	25276	Float	4	R W	Volt	1	1 - 60
27P-5	Hysteresis	SG2 1P	25278	Float	4	R W	Volt	1	1 - 60
27P-5	Hysteresis	SG2 3P	25280	Float	4	R W	Volt	1	1 - 60
27P-5	Hysteresis	SG3 1P	25282	Float	4	R W	Volt	1	1 - 60
27P-5	Hysteresis	SG3 3P	25284	Float	4	R W	Volt	1	1 - 60
27P-6	Hysteresis	SG0 1P	25286	Float	4	R W	Volt	1	1 - 60
27P-6	Hysteresis	SG0 3P	25288	Float	4	R W	Volt	1	1 - 60
27P-6	Hysteresis	SG1 1P	25290	Float	4	R W	Volt	1	1 - 60
27P-6	Hysteresis	SG1 3P	25292	Float	4	R W	Volt	1	1 - 60
27P-6	Hysteresis	SG2 1P	25294	Float	4	R W	Volt	1	1 - 60
27P-6	Hysteresis	SG2 3P	25296	Float	4	R W	Volt	1	1 - 60
27P-6	Hysteresis	SG3 1P	25298	Float	4	R W	Volt	1	1 - 60
27P-6	Hysteresis	SG3 3P	25300	Float	4	R W	Volt	1	1 - 60
59P-1	Hysteresis	SG0 1P	25302	Float	4	R W	Volt	1	1 - 60
59P-1	Hysteresis	SG0 3P	25304	Float	4	R W	Volt	1	1 - 60
59P-1	Hysteresis	SG1 1P	25306	Float	4	R W	Volt	1	1 - 60
59P-1	Hysteresis	SG1 3P	25308	Float	4	R W	Volt	1	1 - 60
59P-1	Hysteresis	SG2 1P	25310	Float	4	R W	Volt	1	1 - 60
59P-1	Hysteresis	SG2 3P	25312	Float	4	R W	Volt	1	1 - 60
59P-1	Hysteresis	SG3 1P	25314	Float	4	R W	Volt	1	1 - 60
59P-1	Hysteresis	SG3 3P	25316	Float	4	R W	Volt	1	1 - 60
59P-2	Hysteresis	SG0 1P	25318	Float	4	R W	Volt	1	1 - 60
59P-2	Hysteresis	SG0 3P	25320	Float	4	R W	Volt	1	1 - 60
59P-2	Hysteresis	SG1 1P	25322	Float	4	R W	Volt	1	1 - 60
59P-2	Hysteresis	SG1 3P	25324	Float	4	R W	Volt	1	1 - 60
59P-2	Hysteresis	SG2 1P	25326	Float	4	R W	Volt	1	1 - 60
59P-2	Hysteresis	SG2 3P	25328	Float	4	R W	Volt	1	1 - 60
59P-2	Hysteresis	SG3 1P	25330	Float	4	R W	Volt	1	1 - 60
59P-2	Hysteresis	SG3 3P	25332	Float	4	R W	Volt	1	1 - 60
59P-3	Hysteresis	SG0 1P	25334	Float	4	R W	Volt	1	1 - 60
59P-3	Hysteresis	SG0 3P	25336	Float	4	R W	Volt	1	1 - 60
59P-3	Hysteresis	SG1 1P	25338	Float	4	R W	Volt	1	1 - 60
59P-3	Hysteresis	SG1 3P	25340	Float	4	R W	Volt	1	1 - 60
59P-3	Hysteresis	SG2 1P	25342	Float	4	R W	Volt	1	1 - 60
59P-3	Hysteresis	SG2 3P	25344	Float	4	R W	Volt	1	1 - 60
59P-3	Hysteresis	SG3 1P	25346	Float	4	R W	Volt	1	1 - 60
59P-3	Hysteresis	SG3 3P	25348	Float	4	R W	Volt	1	1 - 60
59P-4	Hysteresis	SG0 1P	25350	Float	4	R W	Volt	1	1 - 60
59P-4	Hysteresis	SG0 3P	25352	Float	4	R W	Volt	1	1 - 60
59P-4	Hysteresis	SG1 1P	25354	Float	4	R W	Volt	1	1 - 60
59P-4	Hysteresis	SG1 3P	25356	Float	4	R W	Volt	1	1 - 60
59P-4	Hysteresis	SG2 1P	25358	Float	4	R W	Volt	1	1 - 60
59P-4	Hysteresis	SG2 3P	25360	Float	4	R W	Volt	1	1 - 60
59P-4	Hysteresis	SG3 1P	25362	Float	4	R W	Volt	1	1 - 60
59P-4	Hysteresis	SG3 3P	25364	Float	4	R W	Volt	1	1 - 60
59P-5	Hysteresis	SG0 1P	25366	Float	4	R W	Volt	1	1 - 60
59P-5	Hysteresis	SG0 3P	25368	Float	4	R W	Volt	1	1 - 60
59P-5	Hysteresis	SG1 1P	25370	Float	4	R W	Volt	1	1 - 60
59P-5	Hysteresis	SG1 3P	25372	Float	4	R W	Volt	1	1 - 60
59P-5	Hysteresis	SG2 1P	25374	Float	4	R W	Volt	1	1 - 60
59P-5	Hysteresis	SG2 3P	25376	Float	4	R W	Volt	1	1 - 60
59P-5	Hysteresis	SG3 1P	25378	Float	4	R W	Volt	1	1 - 60
59P-5	Hysteresis	SG3 3P	25380	Float	4	R W	Volt	1	1 - 60
59P-6	Hysteresis	SG0 1P	25382	Float	4	R W	Volt	1	1 - 60
59P-6	Hysteresis	SG0 3P	25384	Float	4	R W	Volt	1	1 - 60
59P-6	Hysteresis	SG1 1P	25386	Float	4	R W	Volt	1	1 - 60
59P-6	Hysteresis	SG1 3P	25388	Float	4	R W	Volt	1	1 - 60
59P-6	Hysteresis	SG2 1P	25390	Float	4	R W	Volt	1	1 - 60
59P-6	Hysteresis	SG2 3P	25392	Float	4	R W	Volt	1	1 - 60
59P-6	Hysteresis	SG3 1P	25394	Float	4	R W	Volt	1	1 - 60
59P-6	Hysteresis	SG3 3P	25396	Float	4	R W	Volt	1	1 - 60
47-1	Hysteresis	SG0	25398	Float	4	R W	Volt	1	1 - 5
47-1	Hysteresis	SG1	25400	Float	4	R W	Volt	1	1 - 5
47-1	Hysteresis	SG2	25402	Float	4	R W	Volt	1	1 - 5
47-1	Hysteresis	SG3	25404	Float	4	R W	Volt	1	1 - 5
47-2	Hysteresis	SG0	25406	Float	4	R W	Volt	1	1 - 5
47-2	Hysteresis	SG1	25408	Float	4	R W	Volt	1	1 - 5
47-2	Hysteresis	SG2	25410	Float	4	R W	Volt	1	1 - 5
47-2	Hysteresis	SG3	25412	Float	4	R W	Volt	1	1 - 5

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
47-3	Hysteresis	SG0	25414	Float	4	R W	Volt	1	1 - 5
47-3	Hysteresis	SG1	25416	Float	4	R W	Volt	1	1 - 5
47-3	Hysteresis	SG2	25418	Float	4	R W	Volt	1	1 - 5
47-3	Hysteresis	SG3	25420	Float	4	R W	Volt	1	1 - 5
47-4	Hysteresis	SG0	25422	Float	4	R W	Volt	1	1 - 5
47-4	Hysteresis	SG1	25424	Float	4	R W	Volt	1	1 - 5
47-4	Hysteresis	SG2	25426	Float	4	R W	Volt	1	1 - 5
47-4	Hysteresis	SG3	25428	Float	4	R W	Volt	1	1 - 5
47-5	Hysteresis	SG0	25430	Float	4	R W	Volt	1	1 - 5
47-5	Hysteresis	SG1	25432	Float	4	R W	Volt	1	1 - 5
47-5	Hysteresis	SG2	25434	Float	4	R W	Volt	1	1 - 5
47-5	Hysteresis	SG3	25436	Float	4	R W	Volt	1	1 - 5
47-6	Hysteresis	SG0	25438	Float	4	R W	Volt	1	1 - 5
47-6	Hysteresis	SG1	25440	Float	4	R W	Volt	1	1 - 5
47-6	Hysteresis	SG2	25442	Float	4	R W	Volt	1	1 - 5
47-6	Hysteresis	SG3	25444	Float	4	R W	Volt	1	1 - 5
40Q-1	Hysteresis	SG0 1P	25446	Float	4	R W	Percent	0.1	1 - 10
40Q-1	Hysteresis	SG0 3P	25448	Float	4	R W	Percent	0.1	1 - 10
40Q-1	Hysteresis	SG1 1P	25450	Float	4	R W	Percent	0.1	1 - 10
40Q-1	Hysteresis	SG1 3P	25452	Float	4	R W	Percent	0.1	1 - 10
40Q-1	Hysteresis	SG2 1P	25454	Float	4	R W	Percent	0.1	1 - 10
40Q-1	Hysteresis	SG2 3P	25456	Float	4	R W	Percent	0.1	1 - 10
40Q-1	Hysteresis	SG3 1P	25458	Float	4	R W	Percent	0.1	1 - 10
40Q-1	Hysteresis	SG3 3P	25460	Float	4	R W	Percent	0.1	1 - 10
40Q-2	Hysteresis	SG0 1P	25462	Float	4	R W	Percent	0.1	1 - 10
40Q-2	Hysteresis	SG0 3P	25464	Float	4	R W	Percent	0.1	1 - 10
40Q-2	Hysteresis	SG1 1P	25466	Float	4	R W	Percent	0.1	1 - 10
40Q-2	Hysteresis	SG1 3P	25468	Float	4	R W	Percent	0.1	1 - 10
40Q-2	Hysteresis	SG2 1P	25470	Float	4	R W	Percent	0.1	1 - 10
40Q-2	Hysteresis	SG2 3P	25472	Float	4	R W	Percent	0.1	1 - 10
40Q-2	Hysteresis	SG3 1P	25474	Float	4	R W	Percent	0.1	1 - 10
40Q-2	Hysteresis	SG3 3P	25476	Float	4	R W	Percent	0.1	1 - 10
32-1	Hysteresis	SG0 1P	25478	Float	4	R W	Percent	0.1	1 - 10
32-1	Hysteresis	SG0 3P	25480	Float	4	R W	Percent	0.1	1 - 10
32-1	Hysteresis	SG1 1P	25482	Float	4	R W	Percent	0.1	1 - 10
32-1	Hysteresis	SG1 3P	25484	Float	4	R W	Percent	0.1	1 - 10
32-1	Hysteresis	SG2 1P	25486	Float	4	R W	Percent	0.1	1 - 10
32-1	Hysteresis	SG2 3P	25488	Float	4	R W	Percent	0.1	1 - 10
32-1	Hysteresis	SG3 1P	25490	Float	4	R W	Percent	0.1	1 - 10
32-1	Hysteresis	SG3 3P	25492	Float	4	R W	Percent	0.1	1 - 10
32-2	Hysteresis	SG0 1P	25494	Float	4	R W	Percent	0.1	1 - 10
32-2	Hysteresis	SG0 3P	25496	Float	4	R W	Percent	0.1	1 - 10
32-2	Hysteresis	SG1 1P	25498	Float	4	R W	Percent	0.1	1 - 10
32-2	Hysteresis	SG1 3P	25500	Float	4	R W	Percent	0.1	1 - 10
32-2	Hysteresis	SG2 1P	25502	Float	4	R W	Percent	0.1	1 - 10
32-2	Hysteresis	SG2 3P	25504	Float	4	R W	Percent	0.1	1 - 10
32-2	Hysteresis	SG3 1P	25506	Float	4	R W	Percent	0.1	1 - 10
32-2	Hysteresis	SG3 3P	25508	Float	4	R W	Percent	0.1	1 - 10
32-3	Hysteresis	SG0 1P	25510	Float	4	R W	Percent	0.1	1 - 10
32-3	Hysteresis	SG0 3P	25512	Float	4	R W	Percent	0.1	1 - 10
32-3	Hysteresis	SG1 1P	25514	Float	4	R W	Percent	0.1	1 - 10
32-3	Hysteresis	SG1 3P	25516	Float	4	R W	Percent	0.1	1 - 10
32-3	Hysteresis	SG2 1P	25518	Float	4	R W	Percent	0.1	1 - 10
32-3	Hysteresis	SG2 3P	25520	Float	4	R W	Percent	0.1	1 - 10
32-3	Hysteresis	SG3 1P	25522	Float	4	R W	Percent	0.1	1 - 10
32-3	Hysteresis	SG3 3P	25524	Float	4	R W	Percent	0.1	1 - 10
32-4	Hysteresis	SG0 1P	25526	Float	4	R W	Percent	0.1	1 - 10
32-4	Hysteresis	SG0 3P	25528	Float	4	R W	Percent	0.1	1 - 10
32-4	Hysteresis	SG1 1P	25530	Float	4	R W	Percent	0.1	1 - 10
32-4	Hysteresis	SG1 3P	25532	Float	4	R W	Percent	0.1	1 - 10
32-4	Hysteresis	SG2 1P	25534	Float	4	R W	Percent	0.1	1 - 10
32-4	Hysteresis	SG2 3P	25536	Float	4	R W	Percent	0.1	1 - 10
32-4	Hysteresis	SG3 1P	25538	Float	4	R W	Percent	0.1	1 - 10
32-4	Hysteresis	SG3 3P	25540	Float	4	R W	Percent	0.1	1 - 10
32-5	Hysteresis	SG0 1P	25542	Float	4	R W	Percent	0.1	1 - 10
32-5	Hysteresis	SG0 3P	25544	Float	4	R W	Percent	0.1	1 - 10
32-5	Hysteresis	SG1 1P	25546	Float	4	R W	Percent	0.1	1 - 10
32-5	Hysteresis	SG1 3P	25548	Float	4	R W	Percent	0.1	1 - 10
32-5	Hysteresis	SG2 1P	25550	Float	4	R W	Percent	0.1	1 - 10
32-5	Hysteresis	SG2 3P	25552	Float	4	R W	Percent	0.1	1 - 10
32-5	Hysteresis	SG3 1P	25554	Float	4	R W	Percent	0.1	1 - 10
32-5	Hysteresis	SG3 3P	25556	Float	4	R W	Percent	0.1	1 - 10
32-6	Hysteresis	SG0 1P	25558	Float	4	R W	Percent	0.1	1 - 10
32-6	Hysteresis	SG0 3P	25560	Float	4	R W	Percent	0.1	1 - 10
32-6	Hysteresis	SG1 1P	25562	Float	4	R W	Percent	0.1	1 - 10
32-6	Hysteresis	SG1 3P	25564	Float	4	R W	Percent	0.1	1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
32-6	Hysteresis	SG2 1P	25566	Float	4	R W	Percent	0.1	1 - 10
32-6	Hysteresis	SG2 3P	25568	Float	4	R W	Percent	0.1	1 - 10
32-6	Hysteresis	SG3 1P	25570	Float	4	R W	Percent	0.1	1 - 10
32-6	Hysteresis	SG3 3P	25572	Float	4	R W	Percent	0.1	1 - 10
System Configuration	Soft Alarm Shutdown BP	GG	25574	UInt32	4	R	n/a	1	0 - 4294967295
81-1	ROC Enable Setting	SG0	25576	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-1	ROC Enable Setting	SG1	25578	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-1	ROC Enable Setting	SG2	25580	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-1	ROC Enable Setting	SG3	25582	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-2	ROC Enable Setting	SG0	25584	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-2	ROC Enable Setting	SG1	25586	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-2	ROC Enable Setting	SG2	25588	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-2	ROC Enable Setting	SG3	25590	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-3	ROC Enable Setting	SG0	25592	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-3	ROC Enable Setting	SG1	25594	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-3	ROC Enable Setting	SG2	25596	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-3	ROC Enable Setting	SG3	25598	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-4	ROC Enable Setting	SG0	25600	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-4	ROC Enable Setting	SG1	25602	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-4	ROC Enable Setting	SG2	25604	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-4	ROC Enable Setting	SG3	25606	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-5	ROC Enable Setting	SG0	25608	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-5	ROC Enable Setting	SG1	25610	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-5	ROC Enable Setting	SG2	25612	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-5	ROC Enable Setting	SG3	25614	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-6	ROC Enable Setting	SG0	25616	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-6	ROC Enable Setting	SG1	25618	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-6	ROC Enable Setting	SG2	25620	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-6	ROC Enable Setting	SG3	25622	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-7	ROC Enable Setting	SG0	25624	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-7	ROC Enable Setting	SG1	25626	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-7	ROC Enable Setting	SG2	25628	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-7	ROC Enable Setting	SG3	25630	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-8	ROC Enable Setting	SG0	25632	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-8	ROC Enable Setting	SG1	25634	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-8	ROC Enable Setting	SG2	25636	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
81-8	ROC Enable Setting	SG3	25638	UInt32	4	R W	n/a	n/a	Mains Parallel=0 Always=1
87N	Mode	SG0 1P	25640	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87N	Source	SG0 1P	25642	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
87N	Iop Min	SG0 1P	25644	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87N	Time Delay	SG0 1P	25646	Float	4	R W	Millisecond	1	0 - 60000
87N	Overcorrection Coefficient	SG0 1P	25648	Float	4	R W	n/a	0.01	1 - 1.3
87N	CT Flip	SG0 1P	25650	UInt32	4	R W	n/a	n/a	No=0 Yes=1
87N	Transient Delay Time	SG0 1P	25652	Float	4	R W	Millisecond	1	0 - 10000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
87N	Alarm Config	SG0 1P	25654	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87N	LowLineScale	SG0 1P	25656	Float	4	R W	n/a	0.001	0.001 - 3
87N	Mode	SG0 3P	25658	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87N	Source	SG0 3P	25660	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
87N	Iop Min	SG0 3P	25662	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87N	Time Delay	SG0 3P	25664	Float	4	R W	Millisecond	1	0 - 60000
87N	Overcorrection Coefficient	SG0 3P	25666	Float	4	R W	n/a	0.01	1 - 1.3
87N	CT Flip	SG0 3P	25668	Uint32	4	R W	n/a	n/a	No=0 Yes=1
87N	Transient Delay Time	SG0 3P	25670	Float	4	R W	Millisecond	1	0 - 10000
87N	Alarm Config	SG0 3P	25672	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87N	LowLineScale	SG0 3P	25674	Float	4	R W	n/a	0.001	0.001 - 3
87N	Mode	SG1 1P	25676	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87N	Source	SG1 1P	25678	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
87N	Iop Min	SG1 1P	25680	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87N	Time Delay	SG1 1P	25682	Float	4	R W	Millisecond	1	0 - 60000
87N	Overcorrection Coefficient	SG1 1P	25684	Float	4	R W	n/a	0.01	1 - 1.3
87N	CT Flip	SG1 1P	25686	Uint32	4	R W	n/a	n/a	No=0 Yes=1
87N	Transient Delay Time	SG1 1P	25688	Float	4	R W	Millisecond	1	0 - 10000
87N	Alarm Config	SG1 1P	25690	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87N	LowLineScale	SG1 1P	25692	Float	4	R W	n/a	0.001	0.001 - 3
87N	Mode	SG1 3P	25694	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87N	Source	SG1 3P	25696	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
87N	Iop Min	SG1 3P	25698	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87N	Time Delay	SG1 3P	25700	Float	4	R W	Millisecond	1	0 - 60000
87N	Overcorrection Coefficient	SG1 3P	25702	Float	4	R W	n/a	0.01	1 - 1.3
87N	CT Flip	SG1 3P	25704	Uint32	4	R W	n/a	n/a	No=0 Yes=1
87N	Transient Delay Time	SG1 3P	25706	Float	4	R W	Millisecond	1	0 - 10000
87N	Alarm Config	SG1 3P	25708	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87N	LowLineScale	SG1 3P	25710	Float	4	R W	n/a	0.001	0.001 - 3
87N	Mode	SG2 1P	25712	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87N	Source	SG2 1P	25714	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
87N	Iop Min	SG2 1P	25716	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87N	Time Delay	SG2 1P	25718	Float	4	R W	Millisecond	1	0 - 60000
87N	Overcorrection Coefficient	SG2 1P	25720	Float	4	R W	n/a	0.01	1 - 1.3
87N	CT Flip	SG2 1P	25722	Uint32	4	R W	n/a	n/a	No=0 Yes=1
87N	Transient Delay Time	SG2 1P	25724	Float	4	R W	Millisecond	1	0 - 10000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
87N	Alarm Config	SG2 1P	25726	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87N	LowLineScale	SG2 1P	25728	Float	4	R W	n/a	0.001	0.001 - 3
87N	Mode	SG2 3P	25730	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87N	Source	SG2 3P	25732	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
87N	Iop Min	SG2 3P	25734	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87N	Time Delay	SG2 3P	25736	Float	4	R W	Millisecond	1	0 - 60000
87N	Overcorrection Coefficient	SG2 3P	25738	Float	4	R W	n/a	0.01	1 - 1.3
87N	CT Flip	SG2 3P	25740	Uint32	4	R W	n/a	n/a	No=0 Yes=1
87N	Transient Delay Time	SG2 3P	25742	Float	4	R W	Millisecond	1	0 - 10000
87N	Alarm Config	SG2 3P	25744	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87N	LowLineScale	SG2 3P	25746	Float	4	R W	n/a	0.001	0.001 - 3
87N	Mode	SG3 1P	25748	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87N	Source	SG3 1P	25750	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
87N	Iop Min	SG3 1P	25752	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87N	Time Delay	SG3 1P	25754	Float	4	R W	Millisecond	1	0 - 60000
87N	Overcorrection Coefficient	SG3 1P	25756	Float	4	R W	n/a	0.01	1 - 1.3
87N	CT Flip	SG3 1P	25758	Uint32	4	R W	n/a	n/a	No=0 Yes=1
87N	Transient Delay Time	SG3 1P	25760	Float	4	R W	Millisecond	1	0 - 10000
87N	Alarm Config	SG3 1P	25762	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87N	LowLineScale	SG3 1P	25764	Float	4	R W	n/a	0.001	0.001 - 3
87N	Mode	SG3 3P	25766	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87N	Source	SG3 3P	25768	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
87N	Iop Min	SG3 3P	25770	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87N	Time Delay	SG3 3P	25772	Float	4	R W	Millisecond	1	0 - 60000
87N	Overcorrection Coefficient	SG3 3P	25774	Float	4	R W	n/a	0.01	1 - 1.3
87N	CT Flip	SG3 3P	25776	Uint32	4	R W	n/a	n/a	No=0 Yes=1
87N	Transient Delay Time	SG3 3P	25778	Float	4	R W	Millisecond	1	0 - 10000
87N	Alarm Config	SG3 3P	25780	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87N	LowLineScale	SG3 3P	25782	Float	4	R W	n/a	0.001	0.001 - 3
87G	Mode	SG0	25784	Uint32	4	R W	n/a	n/a	Disabled=0 Percent Differential=1
87G	Time Delay	SG0	25786	Float	4	R W	Millisecond	1	0 - 60000
87G	Min Restrained Pickup Value	SG0	25788	Float	4	R W	n/a	0.01	0 or 0.1 - 1
87G	Second Restrained Pickup Value	SG0	25790	Float	4	R W	n/a	0.01	0 or 0.1 - 20
87G	Restraint Slope Mode	SG0	25792	Uint32	4	R W	n/a	n/a	Maximum=0 Average=1
87G	Restraint Slope Percent1	SG0	25794	Float	4	R W	Percent	1	15 - 60
87G	Restraint Slope Percent2	SG0	25796	Float	4	R W	Percent	1	15 - 60
87G	Alarm Slope Percent1	SG0	25798	Float	4	R W	Percent	1	0 or 50 - 100
87G	Alarm Slope Percent2	SG0	25800	Float	4	R	Percent	1	0 or 50 - 100
87G	Second Harmonic Restraint	SG0	25802	Float	4	R W	Percent	1	0 or 5 - 75
87G	Fifth Harmonic Restraint	SG0	25804	Float	4	R W	Percent	1	0 or 5 - 75
87G	Shared Harmonic Restraint	SG0	25806	Uint32	4	R W	n/a	n/a	Independent=0 Shared=1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
87G	Unrestrained Pickup Mode	SG0	25808	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87G	Unrestrained Pickup Value	SG0	25810	Float	4	R W	n/a	1	0 or 0 - 21
87G	Flux Balance Pickup	SG0	25812	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87G	Flux Balance Alarm	SG0	25814	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87G	Transient Operate Time	SG0	25816	Float	4	R W	Millisecond	1	400 - 10000
87G	Transient Delay Time	SG0	25818	Float	4	R W	Millisecond	1	0 - 10000
87G	Alarm Config	SG0	25820	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87G	Low Line Scale	SG0	25822	Float	4	R W	n/a	0.001	0.001 - 3
87G	Transient Monitor Test Mode	SG0	25824	Uint32	4	R	n/a	n/a	Disabled=0 Output High=1 Output Low=2
87G	Mode	SG1	25826	Uint32	4	R W	n/a	n/a	Disabled=0 Percent Differential=1
87G	Time Delay	SG1	25828	Float	4	R W	Millisecond	1	0 - 60000
87G	Min Restrained Pickup Value	SG1	25830	Float	4	R W	n/a	0.01	0 or 0.1 - 1
87G	Second Restrained Pickup Value	SG1	25832	Float	4	R W	n/a	0.01	0 or 0.1 - 20
87G	Restraint Slope Mode	SG1	25834	Uint32	4	R W	n/a	n/a	Maximum=0 Average=1
87G	Restraint Slope Percent1	SG1	25836	Float	4	R W	Percent	1	15 - 60
87G	Restraint Slope Percent2	SG1	25838	Float	4	R W	Percent	1	15 - 60
87G	Alarm Slope Percent1	SG1	25840	Float	4	R W	Percent	1	0 or 50 - 100
87G	Alarm Slope Percent2	SG1	25842	Float	4	R	Percent	1	0 or 50 - 100
87G	Second Harmonic Restraint	SG1	25844	Float	4	R W	Percent	1	0 or 5 - 75
87G	Fifth Harmonic Restraint	SG1	25846	Float	4	R W	Percent	1	0 or 5 - 75
87G	Shared Harmonic Restraint	SG1	25848	Uint32	4	R W	n/a	n/a	Independent=0 Shared=1
87G	Unrestrained Pickup Mode	SG1	25850	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87G	Unrestrained Pickup Value	SG1	25852	Float	4	R W	n/a	1	0 or 0 - 21
87G	Flux Balance Pickup	SG1	25854	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87G	Flux Balance Alarm	SG1	25856	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87G	Transient Operate Time	SG1	25858	Float	4	R W	Millisecond	1	400 - 10000
87G	Transient Delay Time	SG1	25860	Float	4	R W	Millisecond	1	0 - 10000
87G	Alarm Config	SG1	25862	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87G	Low Line Scale	SG1	25864	Float	4	R W	n/a	0.001	0.001 - 3
87G	Transient Monitor Test Mode	SG1	25866	Uint32	4	R	n/a	n/a	Disabled=0 Output High=1 Output Low=2
87G	Mode	SG2	25868	Uint32	4	R W	n/a	n/a	Disabled=0 Percent Differential=1
87G	Time Delay	SG2	25870	Float	4	R W	Millisecond	1	0 - 60000
87G	Min Restrained Pickup Value	SG2	25872	Float	4	R W	n/a	0.01	0 or 0.1 - 1
87G	Second Restrained Pickup Value	SG2	25874	Float	4	R W	n/a	0.01	0 or 0.1 - 20
87G	Restraint Slope Mode	SG2	25876	Uint32	4	R W	n/a	n/a	Maximum=0 Average=1
87G	Restraint Slope Percent1	SG2	25878	Float	4	R W	Percent	1	15 - 60
87G	Restraint Slope Percent2	SG2	25880	Float	4	R W	Percent	1	15 - 60
87G	Alarm Slope Percent1	SG2	25882	Float	4	R W	Percent	1	0 or 50 - 100
87G	Alarm Slope Percent2	SG2	25884	Float	4	R	Percent	1	0 or 50 - 100
87G	Second Harmonic Restraint	SG2	25886	Float	4	R W	Percent	1	0 or 5 - 75
87G	Fifth Harmonic Restraint	SG2	25888	Float	4	R W	Percent	1	0 or 5 - 75
87G	Shared Harmonic Restraint	SG2	25890	Uint32	4	R W	n/a	n/a	Independent=0 Shared=1
87G	Unrestrained Pickup Mode	SG2	25892	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87G	Unrestrained Pickup Value	SG2	25894	Float	4	R W	n/a	1	0 or 0 - 21
87G	Flux Balance Pickup	SG2	25896	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87G	Flux Balance Alarm	SG2	25898	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87G	Transient Operate Time	SG2	25900	Float	4	R W	Millisecond	1	400 - 10000
87G	Transient Delay Time	SG2	25902	Float	4	R W	Millisecond	1	0 - 10000

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
87G	Alarm Config	SG2	25904	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87G	Low Line Scale	SG2	25906	Float	4	R W	n/a	0.001	0.001 - 3
87G	Transient Monitor Test Mode	SG2	25908	Uint32	4	R	n/a	n/a	Disabled=0 Output High=1 Output Low=2
87G	Mode	SG3	25910	Uint32	4	R W	n/a	n/a	Disabled=0 Percent Differential=1
87G	Time Delay	SG3	25912	Float	4	R W	Millisecond	1	0 - 60000
87G	Min Restrained Pickup Value	SG3	25914	Float	4	R W	n/a	0.01	0 or 0.1 - 1
87G	Second Restrained Pickup Value	SG3	25916	Float	4	R W	n/a	0.01	0 or 0.1 - 20
87G	Restraint Slope Mode	SG3	25918	Uint32	4	R W	n/a	n/a	Maximum=0 Average=1
87G	Restraint Slope Percent1	SG3	25920	Float	4	R W	Percent	1	15 - 60
87G	Restraint Slope Percent2	SG3	25922	Float	4	R W	Percent	1	15 - 60
87G	Alarm Slope Percent1	SG3	25924	Float	4	R W	Percent	1	0 or 50 - 100
87G	Alarm Slope Percent2	SG3	25926	Float	4	R	Percent	1	0 or 50 - 100
87G	Second Harmonic Restraint	SG3	25928	Float	4	R W	Percent	1	0 or 5 - 75
87G	Fifth Harmonic Restraint	SG3	25930	Float	4	R W	Percent	1	0 or 5 - 75
87G	Shared Harmonic Restraint	SG3	25932	Uint32	4	R W	n/a	n/a	Independent=0 Shared=1
87G	Unrestrained Pickup Mode	SG3	25934	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
87G	Unrestrained Pickup Value	SG3	25936	Float	4	R W	n/a	1	0 or 0 - 21
87G	Flux Balance Pickup	SG3	25938	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87G	Flux Balance Alarm	SG3	25940	Float	4	R W	Amp	0.01	0 or 0.1 - 5
87G	Transient Operate Time	SG3	25942	Float	4	R W	Millisecond	1	400 - 10000
87G	Transient Delay Time	SG3	25944	Float	4	R W	Millisecond	1	0 - 10000
87G	Alarm Config	SG3	25946	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
87G	Low Line Scale	SG3	25948	Float	4	R W	n/a	0.001	0.001 - 3
87G	Transient Monitor Test Mode	SG3	25950	Uint32	4	R	n/a	n/a	Disabled=0 Output High=1 Output Low=2
46-1	Mode	SG0 1P	25952	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-1	Source	SG0 1P	25954	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Pickup	SG0 1P	25956	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-1	Curve Index	SG0 1P	25958	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-1	Direction	SG0 1P	25960	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-1	Use Instantaneous Reset	SG0 1P	25962	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-1	Const TD	SG0 1P	25964	Float	4	R W	n/a	0.1	0 - 9.9
46-1	Const A	SG0 1P	25966	Float	4	R W	n/a	0.00001	0 - 600
46-1	Const B	SG0 1P	25968	Float	4	R W	n/a	0.00001	0 - 25
46-1	Const C	SG0 1P	25970	Float	4	R W	n/a	0.00001	0 - 1
46-1	Const N	SG0 1P	25972	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-1	Const R	SG0 1P	25974	Float	4	R W	n/a	0.00001	0 - 30
46-1	Voltage Restraint Setpoint	SG0 1P	25976	Float	4	R W	Volt	1	0 or 30 - 250
46-1	Voltage Restraint Mode	SG0 1P	25978	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-1	Alarm Config	SG0 1P	25980	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-1	LowLineScale	SG0 1P	25982	Float	4	R W	n/a	0.001	0.001 - 3
46-1	Voltage Restraint Source	SG0 1P	25984	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Const Q	SG0 1P	25986	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-1	Mode	SG1 1P	25988	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-1	Source	SG1 1P	25990	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Pickup	SG1 1P	25992	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-1	Curve Index	SG1 1P	25994	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-1	Direction	SG1 1P	25996	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-1	Use Instantaneous Reset	SG1 1P	25998	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-1	Const TD	SG1 1P	26000	Float	4	R W	n/a	0.1	0 - 9.9
46-1	Const A	SG1 1P	26002	Float	4	R W	n/a	0.00001	0 - 600
46-1	Const B	SG1 1P	26004	Float	4	R W	n/a	0.00001	0 - 25
46-1	Const C	SG1 1P	26006	Float	4	R W	n/a	0.00001	0 - 1
46-1	Const N	SG1 1P	26008	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-1	Const R	SG1 1P	26010	Float	4	R W	n/a	0.00001	0 - 30
46-1	Voltage Restraint Setpoint	SG1 1P	26012	Float	4	R W	Volt	1	0 or 30 - 250
46-1	Voltage Restraint Mode	SG1 1P	26014	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-1	Alarm Config	SG1 1P	26016	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-1	LowLineScale	SG1 1P	26018	Float	4	R W	n/a	0.001	0.001 - 3
46-1	Voltage Restraint Source	SG1 1P	26020	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Const Q	SG1 1P	26022	Float	4	R W	n/a	0.00001	0.1 - 10
46-1	Mode	SG2 1P	26024	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-1	Source	SG2 1P	26026	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Pickup	SG2 1P	26028	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-1	Curve Index	SG2 1P	26030	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-1	Direction	SG2 1P	26032	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-1	Use Instantaneous Reset	SG2 1P	26034	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-1	Const TD	SG2 1P	26036	Float	4	R W	n/a	0.1	0 - 9.9
46-1	Const A	SG2 1P	26038	Float	4	R W	n/a	0.00001	0 - 600
46-1	Const B	SG2 1P	26040	Float	4	R W	n/a	0.00001	0 - 25
46-1	Const C	SG2 1P	26042	Float	4	R W	n/a	0.00001	0 - 1
46-1	Const N	SG2 1P	26044	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-1	Const R	SG2 1P	26046	Float	4	R W	n/a	0.00001	0 - 30
46-1	Voltage Restraint Setpoint	SG2 1P	26048	Float	4	R W	Volt	1	0 or 30 - 250
46-1	Voltage Restraint Mode	SG2 1P	26050	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-1	Alarm Config	SG2 1P	26052	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-1	LowLineScale	SG2 1P	26054	Float	4	R W	n/a	0.001	0.001 - 3
46-1	Voltage Restraint Source	SG2 1P	26056	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Const Q	SG2 1P	26058	Float	4	R W	n/a	0.00001	0.1 - 10
46-1	Mode	SG3 1P	26060	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-1	Source	SG3 1P	26062	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Pickup	SG3 1P	26064	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-1	Curve Index	SG3 1P	26066	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-1	Direction	SG3 1P	26068	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-1	Use Instantaneous Reset	SG3 1P	26070	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-1	Const TD	SG3 1P	26072	Float	4	R W	n/a	0.1	0 - 9.9
46-1	Const A	SG3 1P	26074	Float	4	R W	n/a	0.00001	0 - 600
46-1	Const B	SG3 1P	26076	Float	4	R W	n/a	0.00001	0 - 25
46-1	Const C	SG3 1P	26078	Float	4	R W	n/a	0.00001	0 - 1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-1	Const N	SG3 1P	26080	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-1	Const R	SG3 1P	26082	Float	4	R W	n/a	0.00001	0 - 30
46-1	Voltage Restraint Setpoint	SG3 1P	26084	Float	4	R W	Volt	1	0 or 30 - 250
46-1	Voltage Restraint Mode	SG3 1P	26086	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-1	Alarm Config	SG3 1P	26088	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-1	LowLineScale	SG3 1P	26090	Float	4	R W	n/a	0.001	0.001 - 3
46-1	Voltage Restraint Source	SG3 1P	26092	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Const Q	SG3 1P	26094	Float	4	R W	n/a	0.00001	0.1 - 10
46-2	Mode	SG0 1P	26096	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-2	Source	SG0 1P	26098	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Pickup	SG0 1P	26100	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-2	Curve Index	SG0 1P	26102	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-2	Direction	SG0 1P	26104	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-2	Use Instantaneous Reset	SG0 1P	26106	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-2	Const TD	SG0 1P	26108	Float	4	R W	n/a	0.1	0 - 9.9
46-2	Const A	SG0 1P	26110	Float	4	R W	n/a	0.00001	0 - 600
46-2	Const B	SG0 1P	26112	Float	4	R W	n/a	0.00001	0 - 25
46-2	Const C	SG0 1P	26114	Float	4	R W	n/a	0.00001	0 - 1
46-2	Const N	SG0 1P	26116	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-2	Const R	SG0 1P	26118	Float	4	R W	n/a	0.00001	0 - 30
46-2	Voltage Restraint Setpoint	SG0 1P	26120	Float	4	R W	Volt	1	0 or 30 - 250
46-2	Voltage Restraint Mode	SG0 1P	26122	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-2	Alarm Config	SG0 1P	26124	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-2	LowLineScale	SG0 1P	26126	Float	4	R W	n/a	0.001	0.001 - 3
46-2	Voltage Restraint Source	SG0 1P	26128	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Const Q	SG0 1P	26130	Float	4	R W	n/a	0.00001	0.1 - 10
46-2	Mode	SG1 1P	26132	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-2	Source	SG1 1P	26134	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Pickup	SG1 1P	26136	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-2	Curve Index	SG1 1P	26138	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-2	Direction	SG1 1P	26140	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-2	Use Instantaneous Reset	SG1 1P	26142	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-2	Const TD	SG1 1P	26144	Float	4	R W	n/a	0.1	0 - 9.9
46-2	Const A	SG1 1P	26146	Float	4	R W	n/a	0.00001	0 - 600
46-2	Const B	SG1 1P	26148	Float	4	R W	n/a	0.00001	0 - 25
46-2	Const C	SG1 1P	26150	Float	4	R W	n/a	0.00001	0 - 1
46-2	Const N	SG1 1P	26152	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-2	Const R	SG1 1P	26154	Float	4	R W	n/a	0.00001	0 - 30
46-2	Voltage Restraint Setpoint	SG1 1P	26156	Float	4	R W	Volt	1	0 or 30 - 250
46-2	Voltage Restraint Mode	SG1 1P	26158	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-2	Alarm Config	SG1 1P	26160	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-2	LowLineScale	SG1 1P	26162	Float	4	R W	n/a	0.001	0.001 - 3

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-2	Voltage Restraint Source	SG1 1P	26164	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Const Q	SG1 1P	26166	Float	4	R W	n/a	0.00001	0.1 - 10
46-2	Mode	SG2 1P	26168	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-2	Source	SG2 1P	26170	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Pickup	SG2 1P	26172	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-2	Curve Index	SG2 1P	26174	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-2	Direction	SG2 1P	26176	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-2	Use Instantaneous Reset	SG2 1P	26178	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-2	Const TD	SG2 1P	26180	Float	4	R W	n/a	0.1	0 - 9.9
46-2	Const A	SG2 1P	26182	Float	4	R W	n/a	0.00001	0 - 600
46-2	Const B	SG2 1P	26184	Float	4	R W	n/a	0.00001	0 - 25
46-2	Const C	SG2 1P	26186	Float	4	R W	n/a	0.00001	0 - 1
46-2	Const N	SG2 1P	26188	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-2	Const R	SG2 1P	26190	Float	4	R W	n/a	0.00001	0 - 30
46-2	Voltage Restraint Setpoint	SG2 1P	26192	Float	4	R W	Volt	1	0 or 30 - 250
46-2	Voltage Restraint Mode	SG2 1P	26194	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-2	Alarm Config	SG2 1P	26196	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-2	LowLineScale	SG2 1P	26198	Float	4	R W	n/a	0.001	0.001 - 3
46-2	Voltage Restraint Source	SG2 1P	26200	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Const Q	SG2 1P	26202	Float	4	R W	n/a	0.00001	0.1 - 10
46-2	Mode	SG3 1P	26204	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-2	Source	SG3 1P	26206	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Pickup	SG3 1P	26208	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-2	Curve Index	SG3 1P	26210	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-2	Direction	SG3 1P	26212	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-2	Use Instantaneous Reset	SG3 1P	26214	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-2	Const TD	SG3 1P	26216	Float	4	R W	n/a	0.1	0 - 9.9
46-2	Const A	SG3 1P	26218	Float	4	R W	n/a	0.00001	0 - 600
46-2	Const B	SG3 1P	26220	Float	4	R W	n/a	0.00001	0 - 25
46-2	Const C	SG3 1P	26222	Float	4	R W	n/a	0.00001	0 - 1
46-2	Const N	SG3 1P	26224	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-2	Const R	SG3 1P	26226	Float	4	R W	n/a	0.00001	0 - 30
46-2	Voltage Restraint Setpoint	SG3 1P	26228	Float	4	R W	Volt	1	0 or 30 - 250
46-2	Voltage Restraint Mode	SG3 1P	26230	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-2	Alarm Config	SG3 1P	26232	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-2	LowLineScale	SG3 1P	26234	Float	4	R W	n/a	0.001	0.001 - 3
46-2	Voltage Restraint Source	SG3 1P	26236	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Const Q	SG3 1P	26238	Float	4	R W	n/a	0.00001	0.1 - 10
46-3	Mode	SG0 1P	26240	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-3	Source	SG0 1P	26242	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Pickup	SG0 1P	26244	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-3	Curve Index	SG0 1P	26246	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-3	Direction	SG0 1P	26248	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-3	Use Instantaneous Reset	SG0 1P	26250	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-3	Const TD	SG0 1P	26252	Float	4	R W	n/a	0.1	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-3	Const A	SG0 1P	26254	Float	4	R W	n/a	0.00001	0 - 600
46-3	Const B	SG0 1P	26256	Float	4	R W	n/a	0.00001	0 - 25
46-3	Const C	SG0 1P	26258	Float	4	R W	n/a	0.00001	0 - 1
46-3	Const N	SG0 1P	26260	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-3	Const R	SG0 1P	26262	Float	4	R W	n/a	0.00001	0 - 30
46-3	Voltage Restraint Setpoint	SG0 1P	26264	Float	4	R W	Volt	1	0 or 30 - 250
46-3	Voltage Restraint Mode	SG0 1P	26266	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-3	Alarm Config	SG0 1P	26268	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-3	LowLineScale	SG0 1P	26270	Float	4	R W	n/a	0.001	0.001 - 3
46-3	Voltage Restraint Source	SG0 1P	26272	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Const Q	SG0 1P	26274	Float	4	R W	n/a	0.00001	0.1 - 10
46-3	Mode	SG1 1P	26276	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-3	Source	SG1 1P	26278	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Pickup	SG1 1P	26280	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-3	Curve Index	SG1 1P	26282	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-3	Direction	SG1 1P	26284	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-3	Use Instantaneous Reset	SG1 1P	26286	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-3	Const TD	SG1 1P	26288	Float	4	R W	n/a	0.1	0 - 9.9
46-3	Const A	SG1 1P	26290	Float	4	R W	n/a	0.00001	0 - 600
46-3	Const B	SG1 1P	26292	Float	4	R W	n/a	0.00001	0 - 25
46-3	Const C	SG1 1P	26294	Float	4	R W	n/a	0.00001	0 - 1
46-3	Const N	SG1 1P	26296	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-3	Const R	SG1 1P	26298	Float	4	R W	n/a	0.00001	0 - 30
46-3	Voltage Restraint Setpoint	SG1 1P	26300	Float	4	R W	Volt	1	0 or 30 - 250
46-3	Voltage Restraint Mode	SG1 1P	26302	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-3	Alarm Config	SG1 1P	26304	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-3	LowLineScale	SG1 1P	26306	Float	4	R W	n/a	0.001	0.001 - 3
46-3	Voltage Restraint Source	SG1 1P	26308	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Const Q	SG1 1P	26310	Float	4	R W	n/a	0.00001	0.1 - 10
46-3	Mode	SG2 1P	26312	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-3	Source	SG2 1P	26314	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Pickup	SG2 1P	26316	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-3	Curve Index	SG2 1P	26318	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-3	Direction	SG2 1P	26320	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-3	Use Instantaneous Reset	SG2 1P	26322	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-3	Const TD	SG2 1P	26324	Float	4	R W	n/a	0.1	0 - 9.9
46-3	Const A	SG2 1P	26326	Float	4	R W	n/a	0.00001	0 - 600
46-3	Const B	SG2 1P	26328	Float	4	R W	n/a	0.00001	0 - 25
46-3	Const C	SG2 1P	26330	Float	4	R W	n/a	0.00001	0 - 1
46-3	Const N	SG2 1P	26332	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-3	Const R	SG2 1P	26334	Float	4	R W	n/a	0.00001	0 - 30
46-3	Voltage Restraint Setpoint	SG2 1P	26336	Float	4	R W	Volt	1	0 or 30 - 250
46-3	Voltage Restraint Mode	SG2 1P	26338	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-3	Alarm Config	SG2 1P	26340	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-3	LowLineScale	SG2 1P	26342	Float	4	R W	n/a	0.001	0.001 - 3
46-3	Voltage Restraint Source	SG2 1P	26344	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Const Q	SG2 1P	26346	Float	4	R W	n/a	0.00001	0.1 - 10
46-3	Mode	SG3 1P	26348	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-3	Source	SG3 1P	26350	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Pickup	SG3 1P	26352	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-3	Curve Index	SG3 1P	26354	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-3	Direction	SG3 1P	26356	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-3	Use Instantaneous Reset	SG3 1P	26358	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-3	Const TD	SG3 1P	26360	Float	4	R W	n/a	0.1	0 - 9.9
46-3	Const A	SG3 1P	26362	Float	4	R W	n/a	0.00001	0 - 600
46-3	Const B	SG3 1P	26364	Float	4	R W	n/a	0.00001	0 - 25
46-3	Const C	SG3 1P	26366	Float	4	R W	n/a	0.00001	0 - 1
46-3	Const N	SG3 1P	26368	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-3	Const R	SG3 1P	26370	Float	4	R W	n/a	0.00001	0 - 30
46-3	Voltage Restraint Setpoint	SG3 1P	26372	Float	4	R W	Volt	1	0 or 30 - 250
46-3	Voltage Restraint Mode	SG3 1P	26374	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-3	Alarm Config	SG3 1P	26376	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-3	LowLineScale	SG3 1P	26378	Float	4	R W	n/a	0.001	0.001 - 3
46-3	Voltage Restraint Source	SG3 1P	26380	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Const Q	SG3 1P	26382	Float	4	R W	n/a	0.00001	0.1 - 10
46-4	Mode	SG0 1P	26384	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-4	Source	SG0 1P	26386	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Pickup	SG0 1P	26388	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-4	Curve Index	SG0 1P	26390	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-4	Direction	SG0 1P	26392	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-4	Use Instantaneous Reset	SG0 1P	26394	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-4	Const TD	SG0 1P	26396	Float	4	R W	n/a	0.1	0 - 9.9
46-4	Const A	SG0 1P	26398	Float	4	R W	n/a	0.00001	0 - 600
46-4	Const B	SG0 1P	26400	Float	4	R W	n/a	0.00001	0 - 25
46-4	Const C	SG0 1P	26402	Float	4	R W	n/a	0.00001	0 - 1
46-4	Const N	SG0 1P	26404	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-4	Const R	SG0 1P	26406	Float	4	R W	n/a	0.00001	0 - 30
46-4	Voltage Restraint Setpoint	SG0 1P	26408	Float	4	R W	Volt	1	0 or 30 - 250
46-4	Voltage Restraint Mode	SG0 1P	26410	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-4	Alarm Config	SG0 1P	26412	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-4	LowLineScale	SG0 1P	26414	Float	4	R W	n/a	0.001	0.001 - 3
46-4	Voltage Restraint Source	SG0 1P	26416	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Const Q	SG0 1P	26418	Float	4	R W	n/a	0.00001	0.1 - 10
46-4	Mode	SG1 1P	26420	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-4	Source	SG1 1P	26422	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-4	Pickup	SG1 1P	26424	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-4	Curve Index	SG1 1P	26426	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-4	Direction	SG1 1P	26428	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-4	Use Instantaneous Reset	SG1 1P	26430	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-4	Const TD	SG1 1P	26432	Float	4	R W	n/a	0.1	0 - 9.9
46-4	Const A	SG1 1P	26434	Float	4	R W	n/a	0.00001	0 - 600
46-4	Const B	SG1 1P	26436	Float	4	R W	n/a	0.00001	0 - 25
46-4	Const C	SG1 1P	26438	Float	4	R W	n/a	0.00001	0 - 1
46-4	Const N	SG1 1P	26440	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-4	Const R	SG1 1P	26442	Float	4	R W	n/a	0.00001	0 - 30
46-4	Voltage Restraint Setpoint	SG1 1P	26444	Float	4	R W	Volt	1	0 or 30 - 250
46-4	Voltage Restraint Mode	SG1 1P	26446	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-4	Alarm Config	SG1 1P	26448	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-4	LowLineScale	SG1 1P	26450	Float	4	R W	n/a	0.001	0.001 - 3
46-4	Voltage Restraint Source	SG1 1P	26452	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Const Q	SG1 1P	26454	Float	4	R W	n/a	0.00001	0.1 - 10
46-4	Mode	SG2 1P	26456	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-4	Source	SG2 1P	26458	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Pickup	SG2 1P	26460	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-4	Curve Index	SG2 1P	26462	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-4	Direction	SG2 1P	26464	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-4	Use Instantaneous Reset	SG2 1P	26466	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-4	Const TD	SG2 1P	26468	Float	4	R W	n/a	0.1	0 - 9.9
46-4	Const A	SG2 1P	26470	Float	4	R W	n/a	0.00001	0 - 600
46-4	Const B	SG2 1P	26472	Float	4	R W	n/a	0.00001	0 - 25
46-4	Const C	SG2 1P	26474	Float	4	R W	n/a	0.00001	0 - 1
46-4	Const N	SG2 1P	26476	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-4	Const R	SG2 1P	26478	Float	4	R W	n/a	0.00001	0 - 30
46-4	Voltage Restraint Setpoint	SG2 1P	26480	Float	4	R W	Volt	1	0 or 30 - 250
46-4	Voltage Restraint Mode	SG2 1P	26482	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-4	Alarm Config	SG2 1P	26484	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-4	LowLineScale	SG2 1P	26486	Float	4	R W	n/a	0.001	0.001 - 3
46-4	Voltage Restraint Source	SG2 1P	26488	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Const Q	SG2 1P	26490	Float	4	R W	n/a	0.00001	0.1 - 10
46-4	Mode	SG3 1P	26492	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-4	Source	SG3 1P	26494	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Pickup	SG3 1P	26496	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-4	Curve Index	SG3 1P	26498	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-4	Direction	SG3 1P	26500	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-4	Use Instantaneous Reset	SG3 1P	26502	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-4	Const TD	SG3 1P	26504	Float	4	R W	n/a	0.1	0 - 9.9
46-4	Const A	SG3 1P	26506	Float	4	R W	n/a	0.00001	0 - 600
46-4	Const B	SG3 1P	26508	Float	4	R W	n/a	0.00001	0 - 25
46-4	Const C	SG3 1P	26510	Float	4	R W	n/a	0.00001	0 - 1
46-4	Const N	SG3 1P	26512	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-4	Const R	SG3 1P	26514	Float	4	R W	n/a	0.00001	0 - 30
46-4	Voltage Restraint Setpoint	SG3 1P	26516	Float	4	R W	Volt	1	0 or 30 - 250

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-4	Voltage Restraint Mode	SG3 1P	26518	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-4	Alarm Config	SG3 1P	26520	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-4	LowLineScale	SG3 1P	26522	Float	4	R W	n/a	0.001	0.001 - 3
46-4	Voltage Restraint Source	SG3 1P	26524	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Const Q	SG3 1P	26526	Float	4	R W	n/a	0.00001	0.1 - 10
46-5	Mode	SG0 1P	26528	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-5	Source	SG0 1P	26530	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Pickup	SG0 1P	26532	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-5	Curve Index	SG0 1P	26534	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-5	Direction	SG0 1P	26536	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-5	Use Instantaneous Reset	SG0 1P	26538	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-5	Const TD	SG0 1P	26540	Float	4	R W	n/a	0.1	0 - 9.9
46-5	Const A	SG0 1P	26542	Float	4	R W	n/a	0.00001	0 - 600
46-5	Const B	SG0 1P	26544	Float	4	R W	n/a	0.00001	0 - 25
46-5	Const C	SG0 1P	26546	Float	4	R W	n/a	0.00001	0 - 1
46-5	Const N	SG0 1P	26548	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-5	Const R	SG0 1P	26550	Float	4	R W	n/a	0.00001	0 - 30
46-5	Voltage Restraint Setpoint	SG0 1P	26552	Float	4	R W	Volt	1	0 or 30 - 250
46-5	Voltage Restraint Mode	SG0 1P	26554	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-5	Alarm Config	SG0 1P	26556	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-5	LowLineScale	SG0 1P	26558	Float	4	R W	n/a	0.001	0.001 - 3
46-5	Voltage Restraint Source	SG0 1P	26560	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Const Q	SG0 1P	26562	Float	4	R W	n/a	0.00001	0.1 - 10
46-5	Mode	SG1 1P	26564	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-5	Source	SG1 1P	26566	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Pickup	SG1 1P	26568	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-5	Curve Index	SG1 1P	26570	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-5	Direction	SG1 1P	26572	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-5	Use Instantaneous Reset	SG1 1P	26574	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-5	Const TD	SG1 1P	26576	Float	4	R W	n/a	0.1	0 - 9.9
46-5	Const A	SG1 1P	26578	Float	4	R W	n/a	0.00001	0 - 600
46-5	Const B	SG1 1P	26580	Float	4	R W	n/a	0.00001	0 - 25
46-5	Const C	SG1 1P	26582	Float	4	R W	n/a	0.00001	0 - 1
46-5	Const N	SG1 1P	26584	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-5	Const R	SG1 1P	26586	Float	4	R W	n/a	0.00001	0 - 30
46-5	Voltage Restraint Setpoint	SG1 1P	26588	Float	4	R W	Volt	1	0 or 30 - 250
46-5	Voltage Restraint Mode	SG1 1P	26590	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-5	Alarm Config	SG1 1P	26592	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-5	LowLineScale	SG1 1P	26594	Float	4	R W	n/a	0.001	0.001 - 3
46-5	Voltage Restraint Source	SG1 1P	26596	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Const Q	SG1 1P	26598	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-5	Mode	SG2 1P	26600	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-5	Source	SG2 1P	26602	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Pickup	SG2 1P	26604	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-5	Curve Index	SG2 1P	26606	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-5	Direction	SG2 1P	26608	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-5	Use Instantaneous Reset	SG2 1P	26610	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-5	Const TD	SG2 1P	26612	Float	4	R W	n/a	0.1	0 - 9.9
46-5	Const A	SG2 1P	26614	Float	4	R W	n/a	0.00001	0 - 600
46-5	Const B	SG2 1P	26616	Float	4	R W	n/a	0.00001	0 - 25
46-5	Const C	SG2 1P	26618	Float	4	R W	n/a	0.00001	0 - 1
46-5	Const N	SG2 1P	26620	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-5	Const R	SG2 1P	26622	Float	4	R W	n/a	0.00001	0 - 30
46-5	Voltage Restraint Setpoint	SG2 1P	26624	Float	4	R W	Volt	1	0 or 30 - 250
46-5	Voltage Restraint Mode	SG2 1P	26626	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-5	Alarm Config	SG2 1P	26628	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-5	LowLineScale	SG2 1P	26630	Float	4	R W	n/a	0.001	0.001 - 3
46-5	Voltage Restraint Source	SG2 1P	26632	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Const Q	SG2 1P	26634	Float	4	R W	n/a	0.00001	0.1 - 10
46-5	Mode	SG3 1P	26636	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-5	Source	SG3 1P	26638	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Pickup	SG3 1P	26640	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-5	Curve Index	SG3 1P	26642	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-5	Direction	SG3 1P	26644	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-5	Use Instantaneous Reset	SG3 1P	26646	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-5	Const TD	SG3 1P	26648	Float	4	R W	n/a	0.1	0 - 9.9
46-5	Const A	SG3 1P	26650	Float	4	R W	n/a	0.00001	0 - 600
46-5	Const B	SG3 1P	26652	Float	4	R W	n/a	0.00001	0 - 25
46-5	Const C	SG3 1P	26654	Float	4	R W	n/a	0.00001	0 - 1
46-5	Const N	SG3 1P	26656	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-5	Const R	SG3 1P	26658	Float	4	R W	n/a	0.00001	0 - 30
46-5	Voltage Restraint Setpoint	SG3 1P	26660	Float	4	R W	Volt	1	0 or 30 - 250
46-5	Voltage Restraint Mode	SG3 1P	26662	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-5	Alarm Config	SG3 1P	26664	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-5	LowLineScale	SG3 1P	26666	Float	4	R W	n/a	0.001	0.001 - 3
46-5	Voltage Restraint Source	SG3 1P	26668	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Const Q	SG3 1P	26670	Float	4	R W	n/a	0.00001	0.1 - 10
46-6	Mode	SG0 1P	26672	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-6	Source	SG0 1P	26674	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Pickup	SG0 1P	26676	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-6	Curve Index	SG0 1P	26678	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-6	Direction	SG0 1P	26680	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-6	Use Instantaneous Reset	SG0 1P	26682	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-6	Const TD	SG0 1P	26684	Float	4	R W	n/a	0.1	0 - 9.9
46-6	Const A	SG0 1P	26686	Float	4	R W	n/a	0.00001	0 - 600
46-6	Const B	SG0 1P	26688	Float	4	R W	n/a	0.00001	0 - 25
46-6	Const C	SG0 1P	26690	Float	4	R W	n/a	0.00001	0 - 1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-6	Const N	SG0 1P	26692	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-6	Const R	SG0 1P	26694	Float	4	R W	n/a	0.00001	0 - 30
46-6	Voltage Restraint Setpoint	SG0 1P	26696	Float	4	R W	Volt	1	0 or 30 - 250
46-6	Voltage Restraint Mode	SG0 1P	26698	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-6	Alarm Config	SG0 1P	26700	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-6	LowLineScale	SG0 1P	26702	Float	4	R W	n/a	0.001	0.001 - 3
46-6	Voltage Restraint Source	SG0 1P	26704	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Const Q	SG0 1P	26706	Float	4	R W	n/a	0.00001	0.1 - 10
46-6	Mode	SG1 1P	26708	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-6	Source	SG1 1P	26710	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Pickup	SG1 1P	26712	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-6	Curve Index	SG1 1P	26714	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-6	Direction	SG1 1P	26716	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-6	Use Instantaneous Reset	SG1 1P	26718	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-6	Const TD	SG1 1P	26720	Float	4	R W	n/a	0.1	0 - 9.9
46-6	Const A	SG1 1P	26722	Float	4	R W	n/a	0.00001	0 - 600
46-6	Const B	SG1 1P	26724	Float	4	R W	n/a	0.00001	0 - 25
46-6	Const C	SG1 1P	26726	Float	4	R W	n/a	0.00001	0 - 1
46-6	Const N	SG1 1P	26728	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-6	Const R	SG1 1P	26730	Float	4	R W	n/a	0.00001	0 - 30
46-6	Voltage Restraint Setpoint	SG1 1P	26732	Float	4	R W	Volt	1	0 or 30 - 250
46-6	Voltage Restraint Mode	SG1 1P	26734	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-6	Alarm Config	SG1 1P	26736	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-6	LowLineScale	SG1 1P	26738	Float	4	R W	n/a	0.001	0.001 - 3
46-6	Voltage Restraint Source	SG1 1P	26740	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Const Q	SG1 1P	26742	Float	4	R W	n/a	0.00001	0.1 - 10
46-6	Mode	SG2 1P	26744	Uint32	4	R W	n/a	n/a	Disabled=0 I0=5
46-6	Source	SG2 1P	26746	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Pickup	SG2 1P	26748	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-6	Curve Index	SG2 1P	26750	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-6	Direction	SG2 1P	26752	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-6	Use Instantaneous Reset	SG2 1P	26754	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-6	Const TD	SG2 1P	26756	Float	4	R W	n/a	0.1	0 - 9.9
46-6	Const A	SG2 1P	26758	Float	4	R W	n/a	0.00001	0 - 600
46-6	Const B	SG2 1P	26760	Float	4	R W	n/a	0.00001	0 - 25
46-6	Const C	SG2 1P	26762	Float	4	R W	n/a	0.00001	0 - 1
46-6	Const N	SG2 1P	26764	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-6	Const R	SG2 1P	26766	Float	4	R W	n/a	0.00001	0 - 30
46-6	Voltage Restraint Setpoint	SG2 1P	26768	Float	4	R W	Volt	1	0 or 30 - 250
46-6	Voltage Restraint Mode	SG2 1P	26770	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-6	Alarm Config	SG2 1P	26772	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-6	LowLineScale	SG2 1P	26774	Float	4	R W	n/a	0.001	0.001 - 3

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-6	Voltage Restraint Source	SG2 1P	26776	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Const Q	SG2 1P	26778	Float	4	R W	n/a	0.00001	0.1 - 10
46-6	Mode	SG3 1P	26780	UInt32	4	R W	n/a	n/a	Disabled=0 I0=5
46-6	Source	SG3 1P	26782	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Pickup	SG3 1P	26784	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-6	Curve Index	SG3 1P	26786	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-6	Direction	SG3 1P	26788	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-6	Use Instantaneous Reset	SG3 1P	26790	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-6	Const TD	SG3 1P	26792	Float	4	R W	n/a	0.1	0 - 9.9
46-6	Const A	SG3 1P	26794	Float	4	R W	n/a	0.00001	0 - 600
46-6	Const B	SG3 1P	26796	Float	4	R W	n/a	0.00001	0 - 25
46-6	Const C	SG3 1P	26798	Float	4	R W	n/a	0.00001	0 - 1
46-6	Const N	SG3 1P	26800	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-6	Const R	SG3 1P	26802	Float	4	R W	n/a	0.00001	0 - 30
46-6	Voltage Restraint Setpoint	SG3 1P	26804	Float	4	R W	Volt	1	0 or 30 - 250
46-6	Voltage Restraint Mode	SG3 1P	26806	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-6	Alarm Config	SG3 1P	26808	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-6	LowLineScale	SG3 1P	26810	Float	4	R W	n/a	0.001	0.001 - 3
46-6	Voltage Restraint Source	SG3 1P	26812	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Const Q	SG3 1P	26814	Float	4	R W	n/a	0.00001	0.1 - 10
46-1	Mode	SG0 3P	26816	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-1	Source	SG0 3P	26818	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Pickup	SG0 3P	26820	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-1	Curve Index	SG0 3P	26822	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-1	Direction	SG0 3P	26824	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-1	Use Instantaneous Reset	SG0 3P	26826	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-1	Const TD	SG0 3P	26828	Float	4	R W	n/a	0.1	0 - 9.9
46-1	Const A	SG0 3P	26830	Float	4	R W	n/a	0.00001	0 - 600
46-1	Const B	SG0 3P	26832	Float	4	R W	n/a	0.00001	0 - 25
46-1	Const C	SG0 3P	26834	Float	4	R W	n/a	0.00001	0 - 1
46-1	Const N	SG0 3P	26836	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-1	Const R	SG0 3P	26838	Float	4	R W	n/a	0.00001	0 - 30
46-1	Voltage Restraint Setpoint	SG0 3P	26840	Float	4	R W	Volt	1	0 or 30 - 250
46-1	Voltage Restraint Mode	SG0 3P	26842	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-1	Alarm Config	SG0 3P	26844	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-1	LowLineScale	SG0 3P	26846	Float	4	R W	n/a	0.001	0.001 - 3
46-1	Voltage Restraint Source	SG0 3P	26848	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Const Q	SG0 3P	26850	Float	4	R W	n/a	0.00001	0.1 - 10
46-1	Mode	SG1 3P	26852	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-1	Source	SG1 3P	26854	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Pickup	SG1 3P	26856	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-1	Curve Index	SG1 3P	26858	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-1	Direction	SG1 3P	26860	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-1	Use Instantaneous Reset	SG1 3P	26862	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-1	Const TD	SG1 3P	26864	Float	4	R W	n/a	0.1	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-1	Const A	SG1 3P	26866	Float	4	R W	n/a	0.00001	0 - 600
46-1	Const B	SG1 3P	26868	Float	4	R W	n/a	0.00001	0 - 25
46-1	Const C	SG1 3P	26870	Float	4	R W	n/a	0.00001	0 - 1
46-1	Const N	SG1 3P	26872	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-1	Const R	SG1 3P	26874	Float	4	R W	n/a	0.00001	0 - 30
46-1	Voltage Restraint Setpoint	SG1 3P	26876	Float	4	R W	Volt	1	0 or 30 - 250
46-1	Voltage Restraint Mode	SG1 3P	26878	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-1	Alarm Config	SG1 3P	26880	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-1	LowLineScale	SG1 3P	26882	Float	4	R W	n/a	0.001	0.001 - 3
46-1	Voltage Restraint Source	SG1 3P	26884	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Const Q	SG1 3P	26886	Float	4	R W	n/a	0.00001	0.1 - 10
46-1	Mode	SG2 3P	26888	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-1	Source	SG2 3P	26890	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Pickup	SG2 3P	26892	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-1	Curve Index	SG2 3P	26894	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-1	Direction	SG2 3P	26896	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-1	Use Instantaneous Reset	SG2 3P	26898	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-1	Const TD	SG2 3P	26900	Float	4	R W	n/a	0.1	0 - 9.9
46-1	Const A	SG2 3P	26902	Float	4	R W	n/a	0.00001	0 - 600
46-1	Const B	SG2 3P	26904	Float	4	R W	n/a	0.00001	0 - 25
46-1	Const C	SG2 3P	26906	Float	4	R W	n/a	0.00001	0 - 1
46-1	Const N	SG2 3P	26908	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-1	Const R	SG2 3P	26910	Float	4	R W	n/a	0.00001	0 - 30
46-1	Voltage Restraint Setpoint	SG2 3P	26912	Float	4	R W	Volt	1	0 or 30 - 250
46-1	Voltage Restraint Mode	SG2 3P	26914	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-1	Alarm Config	SG2 3P	26916	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-1	LowLineScale	SG2 3P	26918	Float	4	R W	n/a	0.001	0.001 - 3
46-1	Voltage Restraint Source	SG2 3P	26920	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Const Q	SG2 3P	26922	Float	4	R W	n/a	0.00001	0.1 - 10
46-1	Mode	SG3 3P	26924	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-1	Source	SG3 3P	26926	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Pickup	SG3 3P	26928	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-1	Curve Index	SG3 3P	26930	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-1	Direction	SG3 3P	26932	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-1	Use Instantaneous Reset	SG3 3P	26934	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-1	Const TD	SG3 3P	26936	Float	4	R W	n/a	0.1	0 - 9.9
46-1	Const A	SG3 3P	26938	Float	4	R W	n/a	0.00001	0 - 600
46-1	Const B	SG3 3P	26940	Float	4	R W	n/a	0.00001	0 - 25
46-1	Const C	SG3 3P	26942	Float	4	R W	n/a	0.00001	0 - 1
46-1	Const N	SG3 3P	26944	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-1	Const R	SG3 3P	26946	Float	4	R W	n/a	0.00001	0 - 30
46-1	Voltage Restraint Setpoint	SG3 3P	26948	Float	4	R W	Volt	1	0 or 30 - 250
46-1	Voltage Restraint Mode	SG3 3P	26950	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-1	Alarm Config	SG3 3P	26952	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-1	LowLineScale	SG3 3P	26954	Float	4	R W	n/a	0.001	0.001 - 3
46-1	Voltage Restraint Source	SG3 3P	26956	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-1	Const Q	SG3 3P	26958	Float	4	R W	n/a	0.00001	0.1 - 10
46-2	Mode	SG0 3P	26960	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-2	Source	SG0 3P	26962	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Pickup	SG0 3P	26964	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-2	Curve Index	SG0 3P	26966	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-2	Direction	SG0 3P	26968	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-2	Use Instantaneous Reset	SG0 3P	26970	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-2	Const TD	SG0 3P	26972	Float	4	R W	n/a	0.1	0 - 9.9
46-2	Const A	SG0 3P	26974	Float	4	R W	n/a	0.00001	0 - 600
46-2	Const B	SG0 3P	26976	Float	4	R W	n/a	0.00001	0 - 25
46-2	Const C	SG0 3P	26978	Float	4	R W	n/a	0.00001	0 - 1
46-2	Const N	SG0 3P	26980	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-2	Const R	SG0 3P	26982	Float	4	R W	n/a	0.00001	0 - 30
46-2	Voltage Restraint Setpoint	SG0 3P	26984	Float	4	R W	Volt	1	0 or 30 - 250
46-2	Voltage Restraint Mode	SG0 3P	26986	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-2	Alarm Config	SG0 3P	26988	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-2	LowLineScale	SG0 3P	26990	Float	4	R W	n/a	0.001	0.001 - 3
46-2	Voltage Restraint Source	SG0 3P	26992	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Const Q	SG0 3P	26994	Float	4	R W	n/a	0.00001	0.1 - 10
46-2	Mode	SG1 3P	26996	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-2	Source	SG1 3P	26998	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Pickup	SG1 3P	27000	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-2	Curve Index	SG1 3P	27002	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-2	Direction	SG1 3P	27004	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-2	Use Instantaneous Reset	SG1 3P	27006	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-2	Const TD	SG1 3P	27008	Float	4	R W	n/a	0.1	0 - 9.9
46-2	Const A	SG1 3P	27010	Float	4	R W	n/a	0.00001	0 - 600
46-2	Const B	SG1 3P	27012	Float	4	R W	n/a	0.00001	0 - 25
46-2	Const C	SG1 3P	27014	Float	4	R W	n/a	0.00001	0 - 1
46-2	Const N	SG1 3P	27016	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-2	Const R	SG1 3P	27018	Float	4	R W	n/a	0.00001	0 - 30
46-2	Voltage Restraint Setpoint	SG1 3P	27020	Float	4	R W	Volt	1	0 or 30 - 250
46-2	Voltage Restraint Mode	SG1 3P	27022	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-2	Alarm Config	SG1 3P	27024	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-2	LowLineScale	SG1 3P	27026	Float	4	R W	n/a	0.001	0.001 - 3
46-2	Voltage Restraint Source	SG1 3P	27028	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Const Q	SG1 3P	27030	Float	4	R W	n/a	0.00001	0.1 - 10
46-2	Mode	SG2 3P	27032	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-2	Source	SG2 3P	27034	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-2	Pickup	SG2 3P	27036	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-2	Curve Index	SG2 3P	27038	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-2	Direction	SG2 3P	27040	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-2	Use Instantaneous Reset	SG2 3P	27042	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-2	Const TD	SG2 3P	27044	Float	4	R W	n/a	0.1	0 - 9.9
46-2	Const A	SG2 3P	27046	Float	4	R W	n/a	0.00001	0 - 600
46-2	Const B	SG2 3P	27048	Float	4	R W	n/a	0.00001	0 - 25
46-2	Const C	SG2 3P	27050	Float	4	R W	n/a	0.00001	0 - 1
46-2	Const N	SG2 3P	27052	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-2	Const R	SG2 3P	27054	Float	4	R W	n/a	0.00001	0 - 30
46-2	Voltage Restraint Setpoint	SG2 3P	27056	Float	4	R W	Volt	1	0 or 30 - 250
46-2	Voltage Restraint Mode	SG2 3P	27058	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-2	Alarm Config	SG2 3P	27060	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-2	LowLineScale	SG2 3P	27062	Float	4	R W	n/a	0.001	0.001 - 3
46-2	Voltage Restraint Source	SG2 3P	27064	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Const Q	SG2 3P	27066	Float	4	R W	n/a	0.00001	0.1 - 10
46-2	Mode	SG3 3P	27068	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-2	Source	SG3 3P	27070	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Pickup	SG3 3P	27072	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-2	Curve Index	SG3 3P	27074	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-2	Direction	SG3 3P	27076	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-2	Use Instantaneous Reset	SG3 3P	27078	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-2	Const TD	SG3 3P	27080	Float	4	R W	n/a	0.1	0 - 9.9
46-2	Const A	SG3 3P	27082	Float	4	R W	n/a	0.00001	0 - 600
46-2	Const B	SG3 3P	27084	Float	4	R W	n/a	0.00001	0 - 25
46-2	Const C	SG3 3P	27086	Float	4	R W	n/a	0.00001	0 - 1
46-2	Const N	SG3 3P	27088	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-2	Const R	SG3 3P	27090	Float	4	R W	n/a	0.00001	0 - 30
46-2	Voltage Restraint Setpoint	SG3 3P	27092	Float	4	R W	Volt	1	0 or 30 - 250
46-2	Voltage Restraint Mode	SG3 3P	27094	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-2	Alarm Config	SG3 3P	27096	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-2	LowLineScale	SG3 3P	27098	Float	4	R W	n/a	0.001	0.001 - 3
46-2	Voltage Restraint Source	SG3 3P	27100	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-2	Const Q	SG3 3P	27102	Float	4	R W	n/a	0.00001	0.1 - 10
46-3	Mode	SG0 3P	27104	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-3	Source	SG0 3P	27106	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Pickup	SG0 3P	27108	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-3	Curve Index	SG0 3P	27110	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-3	Direction	SG0 3P	27112	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-3	Use Instantaneous Reset	SG0 3P	27114	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-3	Const TD	SG0 3P	27116	Float	4	R W	n/a	0.1	0 - 9.9
46-3	Const A	SG0 3P	27118	Float	4	R W	n/a	0.00001	0 - 600
46-3	Const B	SG0 3P	27120	Float	4	R W	n/a	0.00001	0 - 25
46-3	Const C	SG0 3P	27122	Float	4	R W	n/a	0.00001	0 - 1
46-3	Const N	SG0 3P	27124	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-3	Const R	SG0 3P	27126	Float	4	R W	n/a	0.00001	0 - 30
46-3	Voltage Restraint Setpoint	SG0 3P	27128	Float	4	R W	Volt	1	0 or 30 - 250

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-3	Voltage Restraint Mode	SG0 3P	27130	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-3	Alarm Config	SG0 3P	27132	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-3	LowLineScale	SG0 3P	27134	Float	4	R W	n/a	0.001	0.001 - 3
46-3	Voltage Restraint Source	SG0 3P	27136	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Const Q	SG0 3P	27138	Float	4	R W	n/a	0.00001	0.1 - 10
46-3	Mode	SG1 3P	27140	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-3	Source	SG1 3P	27142	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Pickup	SG1 3P	27144	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-3	Curve Index	SG1 3P	27146	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-3	Direction	SG1 3P	27148	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-3	Use Instantaneous Reset	SG1 3P	27150	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-3	Const TD	SG1 3P	27152	Float	4	R W	n/a	0.1	0 - 9.9
46-3	Const A	SG1 3P	27154	Float	4	R W	n/a	0.00001	0 - 600
46-3	Const B	SG1 3P	27156	Float	4	R W	n/a	0.00001	0 - 25
46-3	Const C	SG1 3P	27158	Float	4	R W	n/a	0.00001	0 - 1
46-3	Const N	SG1 3P	27160	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-3	Const R	SG1 3P	27162	Float	4	R W	n/a	0.00001	0 - 30
46-3	Voltage Restraint Setpoint	SG1 3P	27164	Float	4	R W	Volt	1	0 or 30 - 250
46-3	Voltage Restraint Mode	SG1 3P	27166	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-3	Alarm Config	SG1 3P	27168	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-3	LowLineScale	SG1 3P	27170	Float	4	R W	n/a	0.001	0.001 - 3
46-3	Voltage Restraint Source	SG1 3P	27172	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Const Q	SG1 3P	27174	Float	4	R W	n/a	0.00001	0.1 - 10
46-3	Mode	SG2 3P	27176	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-3	Source	SG2 3P	27178	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Pickup	SG2 3P	27180	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-3	Curve Index	SG2 3P	27182	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-3	Direction	SG2 3P	27184	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-3	Use Instantaneous Reset	SG2 3P	27186	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-3	Const TD	SG2 3P	27188	Float	4	R W	n/a	0.1	0 - 9.9
46-3	Const A	SG2 3P	27190	Float	4	R W	n/a	0.00001	0 - 600
46-3	Const B	SG2 3P	27192	Float	4	R W	n/a	0.00001	0 - 25
46-3	Const C	SG2 3P	27194	Float	4	R W	n/a	0.00001	0 - 1
46-3	Const N	SG2 3P	27196	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-3	Const R	SG2 3P	27198	Float	4	R W	n/a	0.00001	0 - 30
46-3	Voltage Restraint Setpoint	SG2 3P	27200	Float	4	R W	Volt	1	0 or 30 - 250
46-3	Voltage Restraint Mode	SG2 3P	27202	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-3	Alarm Config	SG2 3P	27204	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-3	LowLineScale	SG2 3P	27206	Float	4	R W	n/a	0.001	0.001 - 3
46-3	Voltage Restraint Source	SG2 3P	27208	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Const Q	SG2 3P	27210	Float	4	R W	n/a	0.00001	0.1 - 10

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-3	Mode	SG3 3P	27212	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-3	Source	SG3 3P	27214	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Pickup	SG3 3P	27216	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-3	Curve Index	SG3 3P	27218	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-3	Direction	SG3 3P	27220	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-3	Use Instantaneous Reset	SG3 3P	27222	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-3	Const TD	SG3 3P	27224	Float	4	R W	n/a	0.1	0 - 9.9
46-3	Const A	SG3 3P	27226	Float	4	R W	n/a	0.00001	0 - 600
46-3	Const B	SG3 3P	27228	Float	4	R W	n/a	0.00001	0 - 25
46-3	Const C	SG3 3P	27230	Float	4	R W	n/a	0.00001	0 - 1
46-3	Const N	SG3 3P	27232	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-3	Const R	SG3 3P	27234	Float	4	R W	n/a	0.00001	0 - 30
46-3	Voltage Restraint Setpoint	SG3 3P	27236	Float	4	R W	Volt	1	0 or 30 - 250
46-3	Voltage Restraint Mode	SG3 3P	27238	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-3	Alarm Config	SG3 3P	27240	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-3	LowLineScale	SG3 3P	27242	Float	4	R W	n/a	0.001	0.001 - 3
46-3	Voltage Restraint Source	SG3 3P	27244	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-3	Const Q	SG3 3P	27246	Float	4	R W	n/a	0.00001	0.1 - 10
46-4	Mode	SG0 3P	27248	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-4	Source	SG0 3P	27250	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Pickup	SG0 3P	27252	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-4	Curve Index	SG0 3P	27254	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-4	Direction	SG0 3P	27256	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-4	Use Instantaneous Reset	SG0 3P	27258	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-4	Const TD	SG0 3P	27260	Float	4	R W	n/a	0.1	0 - 9.9
46-4	Const A	SG0 3P	27262	Float	4	R W	n/a	0.00001	0 - 600
46-4	Const B	SG0 3P	27264	Float	4	R W	n/a	0.00001	0 - 25
46-4	Const C	SG0 3P	27266	Float	4	R W	n/a	0.00001	0 - 1
46-4	Const N	SG0 3P	27268	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-4	Const R	SG0 3P	27270	Float	4	R W	n/a	0.00001	0 - 30
46-4	Voltage Restraint Setpoint	SG0 3P	27272	Float	4	R W	Volt	1	0 or 30 - 250
46-4	Voltage Restraint Mode	SG0 3P	27274	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-4	Alarm Config	SG0 3P	27276	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-4	LowLineScale	SG0 3P	27278	Float	4	R W	n/a	0.001	0.001 - 3
46-4	Voltage Restraint Source	SG0 3P	27280	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Const Q	SG0 3P	27282	Float	4	R W	n/a	0.00001	0.1 - 10
46-4	Mode	SG1 3P	27284	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-4	Source	SG1 3P	27286	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Pickup	SG1 3P	27288	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-4	Curve Index	SG1 3P	27290	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-4	Direction	SG1 3P	27292	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-4	Use Instantaneous Reset	SG1 3P	27294	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-4	Const TD	SG1 3P	27296	Float	4	R W	n/a	0.1	0 - 9.9
46-4	Const A	SG1 3P	27298	Float	4	R W	n/a	0.00001	0 - 600
46-4	Const B	SG1 3P	27300	Float	4	R W	n/a	0.00001	0 - 25
46-4	Const C	SG1 3P	27302	Float	4	R W	n/a	0.00001	0 - 1

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-4	Const N	SG1 3P	27304	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-4	Const R	SG1 3P	27306	Float	4	R W	n/a	0.00001	0 - 30
46-4	Voltage Restraint Setpoint	SG1 3P	27308	Float	4	R W	Volt	1	0 or 30 - 250
46-4	Voltage Restraint Mode	SG1 3P	27310	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-4	Alarm Config	SG1 3P	27312	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-4	LowLineScale	SG1 3P	27314	Float	4	R W	n/a	0.001	0.001 - 3
46-4	Voltage Restraint Source	SG1 3P	27316	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Const Q	SG1 3P	27318	Float	4	R W	n/a	0.00001	0.1 - 10
46-4	Mode	SG2 3P	27320	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-4	Source	SG2 3P	27322	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Pickup	SG2 3P	27324	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-4	Curve Index	SG2 3P	27326	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-4	Direction	SG2 3P	27328	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-4	Use Instantaneous Reset	SG2 3P	27330	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-4	Const TD	SG2 3P	27332	Float	4	R W	n/a	0.1	0 - 9.9
46-4	Const A	SG2 3P	27334	Float	4	R W	n/a	0.00001	0 - 600
46-4	Const B	SG2 3P	27336	Float	4	R W	n/a	0.00001	0 - 25
46-4	Const C	SG2 3P	27338	Float	4	R W	n/a	0.00001	0 - 1
46-4	Const N	SG2 3P	27340	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-4	Const R	SG2 3P	27342	Float	4	R W	n/a	0.00001	0 - 30
46-4	Voltage Restraint Setpoint	SG2 3P	27344	Float	4	R W	Volt	1	0 or 30 - 250
46-4	Voltage Restraint Mode	SG2 3P	27346	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-4	Alarm Config	SG2 3P	27348	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-4	LowLineScale	SG2 3P	27350	Float	4	R W	n/a	0.001	0.001 - 3
46-4	Voltage Restraint Source	SG2 3P	27352	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Const Q	SG2 3P	27354	Float	4	R W	n/a	0.00001	0.1 - 10
46-4	Mode	SG3 3P	27356	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-4	Source	SG3 3P	27358	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Pickup	SG3 3P	27360	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-4	Curve Index	SG3 3P	27362	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-4	Direction	SG3 3P	27364	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-4	Use Instantaneous Reset	SG3 3P	27366	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-4	Const TD	SG3 3P	27368	Float	4	R W	n/a	0.1	0 - 9.9
46-4	Const A	SG3 3P	27370	Float	4	R W	n/a	0.00001	0 - 600
46-4	Const B	SG3 3P	27372	Float	4	R W	n/a	0.00001	0 - 25
46-4	Const C	SG3 3P	27374	Float	4	R W	n/a	0.00001	0 - 1
46-4	Const N	SG3 3P	27376	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-4	Const R	SG3 3P	27378	Float	4	R W	n/a	0.00001	0 - 30
46-4	Voltage Restraint Setpoint	SG3 3P	27380	Float	4	R W	Volt	1	0 or 30 - 250
46-4	Voltage Restraint Mode	SG3 3P	27382	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-4	Alarm Config	SG3 3P	27384	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-4	LowLineScale	SG3 3P	27386	Float	4	R W	n/a	0.001	0.001 - 3

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-4	Voltage Restraint Source	SG3 3P	27388	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-4	Const Q	SG3 3P	27390	Float	4	R W	n/a	0.00001	0.1 - 10
46-5	Mode	SG0 3P	27392	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-5	Source	SG0 3P	27394	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Pickup	SG0 3P	27396	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-5	Curve Index	SG0 3P	27398	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-5	Direction	SG0 3P	27400	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-5	Use Instantaneous Reset	SG0 3P	27402	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-5	Const TD	SG0 3P	27404	Float	4	R W	n/a	0.1	0 - 9.9
46-5	Const A	SG0 3P	27406	Float	4	R W	n/a	0.00001	0 - 600
46-5	Const B	SG0 3P	27408	Float	4	R W	n/a	0.00001	0 - 25
46-5	Const C	SG0 3P	27410	Float	4	R W	n/a	0.00001	0 - 1
46-5	Const N	SG0 3P	27412	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-5	Const R	SG0 3P	27414	Float	4	R W	n/a	0.00001	0 - 30
46-5	Voltage Restraint Setpoint	SG0 3P	27416	Float	4	R W	Volt	1	0 or 30 - 250
46-5	Voltage Restraint Mode	SG0 3P	27418	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-5	Alarm Config	SG0 3P	27420	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-5	LowLineScale	SG0 3P	27422	Float	4	R W	n/a	0.001	0.001 - 3
46-5	Voltage Restraint Source	SG0 3P	27424	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Const Q	SG0 3P	27426	Float	4	R W	n/a	0.00001	0.1 - 10
46-5	Mode	SG1 3P	27428	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-5	Source	SG1 3P	27430	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Pickup	SG1 3P	27432	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-5	Curve Index	SG1 3P	27434	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-5	Direction	SG1 3P	27436	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-5	Use Instantaneous Reset	SG1 3P	27438	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-5	Const TD	SG1 3P	27440	Float	4	R W	n/a	0.1	0 - 9.9
46-5	Const A	SG1 3P	27442	Float	4	R W	n/a	0.00001	0 - 600
46-5	Const B	SG1 3P	27444	Float	4	R W	n/a	0.00001	0 - 25
46-5	Const C	SG1 3P	27446	Float	4	R W	n/a	0.00001	0 - 1
46-5	Const N	SG1 3P	27448	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-5	Const R	SG1 3P	27450	Float	4	R W	n/a	0.00001	0 - 30
46-5	Voltage Restraint Setpoint	SG1 3P	27452	Float	4	R W	Volt	1	0 or 30 - 250
46-5	Voltage Restraint Mode	SG1 3P	27454	UInt32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-5	Alarm Config	SG1 3P	27456	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-5	LowLineScale	SG1 3P	27458	Float	4	R W	n/a	0.001	0.001 - 3
46-5	Voltage Restraint Source	SG1 3P	27460	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Const Q	SG1 3P	27462	Float	4	R W	n/a	0.00001	0.1 - 10
46-5	Mode	SG2 3P	27464	UInt32	4	R W	n/a	n/a	Disabled=0 I2=6
46-5	Source	SG2 3P	27466	UInt32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Pickup	SG2 3P	27468	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-5	Curve Index	SG2 3P	27470	UInt32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-5	Direction	SG2 3P	27472	UInt32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-5	Use Instantaneous Reset	SG2 3P	27474	UInt32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-5	Const TD	SG2 3P	27476	Float	4	R W	n/a	0.1	0 - 9.9

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-5	Const A	SG2 3P	27478	Float	4	R W	n/a	0.00001	0 - 600
46-5	Const B	SG2 3P	27480	Float	4	R W	n/a	0.00001	0 - 25
46-5	Const C	SG2 3P	27482	Float	4	R W	n/a	0.00001	0 - 1
46-5	Const N	SG2 3P	27484	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-5	Const R	SG2 3P	27486	Float	4	R W	n/a	0.00001	0 - 30
46-5	Voltage Restraint Setpoint	SG2 3P	27488	Float	4	R W	Volt	1	0 or 30 - 250
46-5	Voltage Restraint Mode	SG2 3P	27490	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-5	Alarm Config	SG2 3P	27492	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-5	LowLineScale	SG2 3P	27494	Float	4	R W	n/a	0.001	0.001 - 3
46-5	Voltage Restraint Source	SG2 3P	27496	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Const Q	SG2 3P	27498	Float	4	R W	n/a	0.00001	0.1 - 10
46-5	Mode	SG3 3P	27500	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-5	Source	SG3 3P	27502	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Pickup	SG3 3P	27504	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-5	Curve Index	SG3 3P	27506	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-5	Direction	SG3 3P	27508	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-5	Use Instantaneous Reset	SG3 3P	27510	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-5	Const TD	SG3 3P	27512	Float	4	R W	n/a	0.1	0 - 9.9
46-5	Const A	SG3 3P	27514	Float	4	R W	n/a	0.00001	0 - 600
46-5	Const B	SG3 3P	27516	Float	4	R W	n/a	0.00001	0 - 25
46-5	Const C	SG3 3P	27518	Float	4	R W	n/a	0.00001	0 - 1
46-5	Const N	SG3 3P	27520	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-5	Const R	SG3 3P	27522	Float	4	R W	n/a	0.00001	0 - 30
46-5	Voltage Restraint Setpoint	SG3 3P	27524	Float	4	R W	Volt	1	0 or 30 - 250
46-5	Voltage Restraint Mode	SG3 3P	27526	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-5	Alarm Config	SG3 3P	27528	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-5	LowLineScale	SG3 3P	27530	Float	4	R W	n/a	0.001	0.001 - 3
46-5	Voltage Restraint Source	SG3 3P	27532	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-5	Const Q	SG3 3P	27534	Float	4	R W	n/a	0.00001	0.1 - 10
46-6	Mode	SG0 3P	27536	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-6	Source	SG0 3P	27538	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Pickup	SG0 3P	27540	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-6	Curve Index	SG0 3P	27542	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-6	Direction	SG0 3P	27544	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-6	Use Instantaneous Reset	SG0 3P	27546	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-6	Const TD	SG0 3P	27548	Float	4	R W	n/a	0.1	0 - 9.9
46-6	Const A	SG0 3P	27550	Float	4	R W	n/a	0.00001	0 - 600
46-6	Const B	SG0 3P	27552	Float	4	R W	n/a	0.00001	0 - 25
46-6	Const C	SG0 3P	27554	Float	4	R W	n/a	0.00001	0 - 1
46-6	Const N	SG0 3P	27556	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-6	Const R	SG0 3P	27558	Float	4	R W	n/a	0.00001	0 - 30
46-6	Voltage Restraint Setpoint	SG0 3P	27560	Float	4	R W	Volt	1	0 or 30 - 250
46-6	Voltage Restraint Mode	SG0 3P	27562	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-6	Alarm Config	SG0 3P	27564	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-6	LowLineScale	SG0 3P	27566	Float	4	R W	n/a	0.001	0.001 - 3
46-6	Voltage Restraint Source	SG0 3P	27568	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Const Q	SG0 3P	27570	Float	4	R W	n/a	0.00001	0.1 - 10
46-6	Mode	SG1 3P	27572	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-6	Source	SG1 3P	27574	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Pickup	SG1 3P	27576	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-6	Curve Index	SG1 3P	27578	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-6	Direction	SG1 3P	27580	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-6	Use Instantaneous Reset	SG1 3P	27582	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-6	Const TD	SG1 3P	27584	Float	4	R W	n/a	0.1	0 - 9.9
46-6	Const A	SG1 3P	27586	Float	4	R W	n/a	0.00001	0 - 600
46-6	Const B	SG1 3P	27588	Float	4	R W	n/a	0.00001	0 - 25
46-6	Const C	SG1 3P	27590	Float	4	R W	n/a	0.00001	0 - 1
46-6	Const N	SG1 3P	27592	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-6	Const R	SG1 3P	27594	Float	4	R W	n/a	0.00001	0 - 30
46-6	Voltage Restraint Setpoint	SG1 3P	27596	Float	4	R W	Volt	1	0 or 30 - 250
46-6	Voltage Restraint Mode	SG1 3P	27598	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-6	Alarm Config	SG1 3P	27600	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-6	LowLineScale	SG1 3P	27602	Float	4	R W	n/a	0.001	0.001 - 3
46-6	Voltage Restraint Source	SG1 3P	27604	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Const Q	SG1 3P	27606	Float	4	R W	n/a	0.00001	0.1 - 10
46-6	Mode	SG2 3P	27608	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-6	Source	SG2 3P	27610	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Pickup	SG2 3P	27612	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-6	Curve Index	SG2 3P	27614	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-6	Direction	SG2 3P	27616	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-6	Use Instantaneous Reset	SG2 3P	27618	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-6	Const TD	SG2 3P	27620	Float	4	R W	n/a	0.1	0 - 9.9
46-6	Const A	SG2 3P	27622	Float	4	R W	n/a	0.00001	0 - 600
46-6	Const B	SG2 3P	27624	Float	4	R W	n/a	0.00001	0 - 25
46-6	Const C	SG2 3P	27626	Float	4	R W	n/a	0.00001	0 - 1
46-6	Const N	SG2 3P	27628	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-6	Const R	SG2 3P	27630	Float	4	R W	n/a	0.00001	0 - 30
46-6	Voltage Restraint Setpoint	SG2 3P	27632	Float	4	R W	Volt	1	0 or 30 - 250
46-6	Voltage Restraint Mode	SG2 3P	27634	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-6	Alarm Config	SG2 3P	27636	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-6	LowLineScale	SG2 3P	27638	Float	4	R W	n/a	0.001	0.001 - 3
46-6	Voltage Restraint Source	SG2 3P	27640	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Const Q	SG2 3P	27642	Float	4	R W	n/a	0.00001	0.1 - 10
46-6	Mode	SG3 3P	27644	Uint32	4	R W	n/a	n/a	Disabled=0 I2=6
46-6	Source	SG3 3P	27646	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
46-6	Pickup	SG3 3P	27648	Float	4	R W	Amp	0.001	0 or 0.9 - 20
46-6	Curve Index	SG3 3P	27650	Uint32	4	R W	n/a	n/a	Fixed Time=16 46=17
46-6	Direction	SG3 3P	27652	Uint32	4	R W	n/a	n/a	Forward=0 Reverse=1 Non-Directional=2
46-6	Use Instantaneous Reset	SG3 3P	27654	Uint32	4	R W	n/a	n/a	Integrating=0 Instantaneous=1
46-6	Const TD	SG3 3P	27656	Float	4	R W	n/a	0.1	0 - 9.9
46-6	Const A	SG3 3P	27658	Float	4	R W	n/a	0.00001	0 - 600
46-6	Const B	SG3 3P	27660	Float	4	R W	n/a	0.00001	0 - 25
46-6	Const C	SG3 3P	27662	Float	4	R W	n/a	0.00001	0 - 1
46-6	Const N	SG3 3P	27664	Float	4	R W	n/a	0.00001	0.5 - 2.5
46-6	Const R	SG3 3P	27666	Float	4	R W	n/a	0.00001	0 - 30
46-6	Voltage Restraint Setpoint	SG3 3P	27668	Float	4	R W	Volt	1	0 or 30 - 250
46-6	Voltage Restraint Mode	SG3 3P	27670	Uint32	4	R W	n/a	n/a	Disabled=0 Control=1 Restraint=2
46-6	Alarm Config	SG3 3P	27672	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
46-6	LowLineScale	SG3 3P	27674	Float	4	R W	n/a	0.001	0.001 - 3
46-6	Voltage Restraint Source	SG3 3P	27676	Uint32	4	R W	n/a	n/a	Gen=0 Bus1=1 Bus2=2
46-6	Const Q	SG3 3P	27678	Float	4	R W	n/a	0.00001	0.1 - 10
Configurable Protection 9	Parameter Selection	GG	27680	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 9	Hysteresis	GG	27682	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 9	Arming Delay	GG	27684	Float	4	R W	Second	1	0 - 9999
Configurable Protection 9	Threshold 1 Type	GG	27686	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 9	Threshold 1 Pickup	GG	27688	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 9	Threshold 1 Activation Delay	GG	27690	Float	4	R W	Second	1	0 - 9999
Configurable Protection 9	Threshold 1 Alarm Config	GG	27692	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 9	Threshold 2 Type	GG	27694	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 9	Threshold 2 Pickup	GG	27696	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 9	Threshold 2 Activation Delay	GG	27698	Float	4	R W	Second	1	0 - 9999
Configurable Protection 9	Threshold 2 Alarm Config	GG	27700	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 9	Threshold 3 Type	GG	27702	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 9	Threshold 3 Pickup	GG	27704	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 9	Threshold 3 Activation Delay	GG	27706	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 9	Threshold 3 Alarm Config	GG	27708	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 9	Threshold 4 Type	GG	27710	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 9	Threshold 4 Pickup	GG	27712	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 9	Threshold 4 Activation Delay	GG	27714	Float	4	R W	Second	1	0 - 9999
Configurable Protection 9	Threshold 4 Alarm Config	GG	27716	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 9	Low Line Scale Current	GG	27718	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 9	Low Line Scale Voltage	GG	27720	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 9	Label	GG	27722	String	16	R W	n/a	1	0 - 16
Configurable Protection 10	Parameter Selection	GG	27730	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 10	Hysteresis	GG	27732	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 10	Arming Delay	GG	27734	Float	4	R W	Second	1	0 - 9999
Configurable Protection 10	Threshold 1 Type	GG	27736	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 10	Threshold 1 Pickup	GG	27738	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 10	Threshold 1 Activation Delay	GG	27740	Float	4	R W	Second	1	0 - 9999
Configurable Protection 10	Threshold 1 Alarm Config	GG	27742	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 10	Threshold 2 Type	GG	27744	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 10	Threshold 2 Pickup	GG	27746	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 10	Threshold 2 Activation Delay	GG	27748	Float	4	R W	Second	1	0 - 9999
Configurable Protection 10	Threshold 2 Alarm Config	GG	27750	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 10	Threshold 3 Type	GG	27752	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 10	Threshold 3 Pickup	GG	27754	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 10	Threshold 3 Activation Delay	GG	27756	Float	4	R W	Second	1	0 - 9999
Configurable Protection 10	Threshold 3 Alarm Config	GG	27758	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 10	Threshold 4 Type	GG	27760	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 10	Threshold 4 Pickup	GG	27762	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 10	Threshold 4 Activation Delay	GG	27764	Float	4	R W	Second	1	0 - 9999
Configurable Protection 10	Threshold 4 Alarm Config	GG	27766	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 10	Low Line Scale Current	GG	27768	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 10	Low Line Scale Voltage	GG	27770	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 10	Label	GG	27772	String	16	R W	n/a	1	0 - 16
Configurable Protection 11	Parameter Selection	GG	27780	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 11	Hysteresis	GG	27782	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 11	Arming Delay	GG	27784	Float	4	R W	Second	1	0 - 9999
Configurable Protection 11	Threshold 1 Type	GG	27786	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 11	Threshold 1 Pickup	GG	27788	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 11	Threshold 1 Activation Delay	GG	27790	Float	4	R W	Second	1	0 - 9999
Configurable Protection 11	Threshold 1 Alarm Config	GG	27792	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 11	Threshold 2 Type	GG	27794	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 11	Threshold 2 Pickup	GG	27796	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 11	Threshold 2 Activation Delay	GG	27798	Float	4	R W	Second	1	0 - 9999
Configurable Protection 11	Threshold 2 Alarm Config	GG	27800	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 11	Threshold 3 Type	GG	27802	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 11	Threshold 3 Pickup	GG	27804	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 11	Threshold 3 Activation Delay	GG	27806	Float	4	R W	Second	1	0 - 9999
Configurable Protection 11	Threshold 3 Alarm Config	GG	27808	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 11	Threshold 4 Type	GG	27810	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 11	Threshold 4 Pickup	GG	27812	Float	4	R W	n/a	0.01	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 11	Threshold 4 Activation Delay	GG	27814	Float	4	R W	Second	1	0 - 9999
Configurable Protection 11	Threshold 4 Alarm Config	GG	27816	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 11	Low Line Scale Current	GG	27818	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 11	Low Line Scale Voltage	GG	27820	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 11	Label	GG	27822	String	16	R W	n/a	1	0 - 16
Configurable Protection 12	Parameter Selection	GG	27830	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 12	Hysteresis	GG	27832	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 12	Arming Delay	GG	27834	Float	4	R W	Second	1	0 - 9999
Configurable Protection 12	Threshold 1 Type	GG	27836	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 12	Threshold 1 Pickup	GG	27838	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 12	Threshold 1 Activation Delay	GG	27840	Float	4	R W	Second	1	0 - 9999
Configurable Protection 12	Threshold 1 Alarm Config	GG	27842	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 12	Threshold 2 Type	GG	27844	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 12	Threshold 2 Pickup	GG	27846	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 12	Threshold 2 Activation Delay	GG	27848	Float	4	R W	Second	1	0 - 9999
Configurable Protection 12	Threshold 2 Alarm Config	GG	27850	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 12	Threshold 3 Type	GG	27852	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 12	Threshold 3 Pickup	GG	27854	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 12	Threshold 3 Activation Delay	GG	27856	Float	4	R W	Second	1	0 - 9999
Configurable Protection 12	Threshold 3 Alarm Config	GG	27858	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 12	Threshold 4 Type	GG	27860	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 12	Threshold 4 Pickup	GG	27862	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 12	Threshold 4 Activation Delay	GG	27864	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 12	Threshold 4 Alarm Config	GG	27866	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 12	Low Line Scale Current	GG	27868	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 12	Low Line Scale Voltage	GG	27870	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 12	Label	GG	27872	String	16	R W	n/a	1	0 - 16
Configurable Protection 13	Parameter Selection	GG	27880	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 13	Hysteresis	GG	27882	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 13	Arming Delay	GG	27884	Float	4	R W	Second	1	0 - 9999
Configurable Protection 13	Threshold 1 Type	GG	27886	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 13	Threshold 1 Pickup	GG	27888	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 13	Threshold 1 Activation Delay	GG	27890	Float	4	R W	Second	1	0 - 9999
Configurable Protection 13	Threshold 1 Alarm Config	GG	27892	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 13	Threshold 2 Type	GG	27894	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 13	Threshold 2 Pickup	GG	27896	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 13	Threshold 2 Activation Delay	GG	27898	Float	4	R W	Second	1	0 - 9999
Configurable Protection 13	Threshold 2 Alarm Config	GG	27900	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 13	Threshold 3 Type	GG	27902	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 13	Threshold 3 Pickup	GG	27904	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 13	Threshold 3 Activation Delay	GG	27906	Float	4	R W	Second	1	0 - 9999
Configurable Protection 13	Threshold 3 Alarm Config	GG	27908	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 13	Threshold 4 Type	GG	27910	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 13	Threshold 4 Pickup	GG	27912	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 13	Threshold 4 Activation Delay	GG	27914	Float	4	R W	Second	1	0 - 9999
Configurable Protection 13	Threshold 4 Alarm Config	GG	27916	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 13	Low Line Scale Current	GG	27918	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 13	Low Line Scale Voltage	GG	27920	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 13	Label	GG	27922	String	16	R W	n/a	1	0 - 16
Configurable Protection 14	Parameter Selection	GG	27930	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 14	Hysteresis	GG	27932	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 14	Arming Delay	GG	27934	Float	4	R W	Second	1	0 - 9999
Configurable Protection 14	Threshold 1 Type	GG	27936	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 14	Threshold 1 Pickup	GG	27938	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 14	Threshold 1 Activation Delay	GG	27940	Float	4	R W	Second	1	0 - 9999
Configurable Protection 14	Threshold 1 Alarm Config	GG	27942	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 14	Threshold 2 Type	GG	27944	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 14	Threshold 2 Pickup	GG	27946	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 14	Threshold 2 Activation Delay	GG	27948	Float	4	R W	Second	1	0 - 9999
Configurable Protection 14	Threshold 2 Alarm Config	GG	27950	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 14	Threshold 3 Type	GG	27952	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 14	Threshold 3 Pickup	GG	27954	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 14	Threshold 3 Activation Delay	GG	27956	Float	4	R W	Second	1	0 - 9999
Configurable Protection 14	Threshold 3 Alarm Config	GG	27958	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 14	Threshold 4 Type	GG	27960	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 14	Threshold 4 Pickup	GG	27962	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 14	Threshold 4 Activation Delay	GG	27964	Float	4	R W	Second	1	0 - 9999
Configurable Protection 14	Threshold 4 Alarm Config	GG	27966	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 14	Low Line Scale Current	GG	27968	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 14	Low Line Scale Voltage	GG	27970	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 14	Label	GG	27972	String	16	R W	n/a	1	0 - 16
Configurable	Parameter Selection	GG	27980	Int32	4	R W		n/a	See the Selectable

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Protection 15									Parameters chapter for a complete list.
Configurable Protection 15	Hysteresis	GG	27982	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 15	Arming Delay	GG	27984	Float	4	R W	Second	1	0 - 9999
Configurable Protection 15	Threshold 1 Type	GG	27986	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 15	Threshold 1 Pickup	GG	27988	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 15	Threshold 1 Activation Delay	GG	27990	Float	4	R W	Second	1	0 - 9999
Configurable Protection 15	Threshold 1 Alarm Config	GG	27992	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 15	Threshold 2 Type	GG	27994	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 15	Threshold 2 Pickup	GG	27996	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 15	Threshold 2 Activation Delay	GG	27998	Float	4	R W	Second	1	0 - 9999
Configurable Protection 15	Threshold 2 Alarm Config	GG	28000	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 15	Threshold 3 Type	GG	28002	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 15	Threshold 3 Pickup	GG	28004	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 15	Threshold 3 Activation Delay	GG	28006	Float	4	R W	Second	1	0 - 9999
Configurable Protection 15	Threshold 3 Alarm Config	GG	28008	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 15	Threshold 4 Type	GG	28010	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 15	Threshold 4 Pickup	GG	28012	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 15	Threshold 4 Activation Delay	GG	28014	Float	4	R W	Second	1	0 - 9999
Configurable Protection 15	Threshold 4 Alarm Config	GG	28016	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 15	Low Line Scale Current	GG	28018	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 15	Low Line Scale Voltage	GG	28020	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 15	Label	GG	28022	String	16	R W	n/a	1	0 - 16
Configurable Protection 16	Parameter Selection	GG	28030	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 16	Hysteresis	GG	28032	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 16	Arming Delay	GG	28034	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 16	Threshold 1 Type	GG	28036	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 16	Threshold 1 Pickup	GG	28038	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 16	Threshold 1 Activation Delay	GG	28040	Float	4	R W	Second	1	0 - 9999
Configurable Protection 16	Threshold 1 Alarm Config	GG	28042	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 16	Threshold 2 Type	GG	28044	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 16	Threshold 2 Pickup	GG	28046	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 16	Threshold 2 Activation Delay	GG	28048	Float	4	R W	Second	1	0 - 9999
Configurable Protection 16	Threshold 2 Alarm Config	GG	28050	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 16	Threshold 3 Type	GG	28052	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 16	Threshold 3 Pickup	GG	28054	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 16	Threshold 3 Activation Delay	GG	28056	Float	4	R W	Second	1	0 - 9999
Configurable Protection 16	Threshold 3 Alarm Config	GG	28058	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 16	Threshold 4 Type	GG	28060	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 16	Threshold 4 Pickup	GG	28062	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 16	Threshold 4 Activation Delay	GG	28064	Float	4	R W	Second	1	0 - 9999
Configurable Protection 16	Threshold 4 Alarm Config	GG	28066	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 16	Low Line Scale Current	GG	28068	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 16	Low Line Scale Voltage	GG	28070	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 16	Label	GG	28072	String	16	R W	n/a	1	0 - 16
Configurable Protection 17	Parameter Selection	GG	28080	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 17	Hysteresis	GG	28082	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 17	Arming Delay	GG	28084	Float	4	R W	Second	1	0 - 9999
Configurable Protection 17	Threshold 1 Type	GG	28086	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 17	Threshold 1 Pickup	GG	28088	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 17	Threshold 1 Activation Delay	GG	28090	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 17	Threshold 1 Alarm Config	GG	28092	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 17	Threshold 2 Type	GG	28094	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 17	Threshold 2 Pickup	GG	28096	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 17	Threshold 2 Activation Delay	GG	28098	Float	4	R W	Second	1	0 - 9999
Configurable Protection 17	Threshold 2 Alarm Config	GG	28100	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 17	Threshold 3 Type	GG	28102	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 17	Threshold 3 Pickup	GG	28104	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 17	Threshold 3 Activation Delay	GG	28106	Float	4	R W	Second	1	0 - 9999
Configurable Protection 17	Threshold 3 Alarm Config	GG	28108	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 17	Threshold 4 Type	GG	28110	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 17	Threshold 4 Pickup	GG	28112	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 17	Threshold 4 Activation Delay	GG	28114	Float	4	R W	Second	1	0 - 9999
Configurable Protection 17	Threshold 4 Alarm Config	GG	28116	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 17	Low Line Scale Current	GG	28118	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 17	Low Line Scale Voltage	GG	28120	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 17	Label	GG	28122	String	16	R W	n/a	1	0 - 16
Configurable Protection 18	Parameter Selection	GG	28130	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 18	Hysteresis	GG	28132	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 18	Arming Delay	GG	28134	Float	4	R W	Second	1	0 - 9999
Configurable Protection 18	Threshold 1 Type	GG	28136	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 18	Threshold 1 Pickup	GG	28138	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 18	Threshold 1 Activation Delay	GG	28140	Float	4	R W	Second	1	0 - 9999
Configurable Protection 18	Threshold 1 Alarm Config	GG	28142	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 18	Threshold 2 Type	GG	28144	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 18	Threshold 2 Pickup	GG	28146	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 18	Threshold 2 Activation Delay	GG	28148	Float	4	R W	Second	1	0 - 9999
Configurable Protection 18	Threshold 2 Alarm Config	GG	28150	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 18	Threshold 3 Type	GG	28152	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 18	Threshold 3 Pickup	GG	28154	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 18	Threshold 3 Activation Delay	GG	28156	Float	4	R W	Second	1	0 - 9999
Configurable Protection 18	Threshold 3 Alarm Config	GG	28158	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 18	Threshold 4 Type	GG	28160	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 18	Threshold 4 Pickup	GG	28162	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 18	Threshold 4 Activation Delay	GG	28164	Float	4	R W	Second	1	0 - 9999
Configurable Protection 18	Threshold 4 Alarm Config	GG	28166	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 18	Low Line Scale Current	GG	28168	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 18	Low Line Scale Voltage	GG	28170	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 18	Label	GG	28172	String	16	R W	n/a	1	0 - 16
Configurable Protection 19	Parameter Selection	GG	28180	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 19	Hysteresis	GG	28182	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 19	Arming Delay	GG	28184	Float	4	R W	Second	1	0 - 9999
Configurable Protection 19	Threshold 1 Type	GG	28186	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 19	Threshold 1 Pickup	GG	28188	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 19	Threshold 1 Activation Delay	GG	28190	Float	4	R W	Second	1	0 - 9999
Configurable Protection 19	Threshold 1 Alarm Config	GG	28192	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 19	Threshold 2 Type	GG	28194	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 19	Threshold 2 Pickup	GG	28196	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 19	Threshold 2 Activation Delay	GG	28198	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 19	Threshold 2 Alarm Config	GG	28200	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 19	Threshold 3 Type	GG	28202	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 19	Threshold 3 Pickup	GG	28204	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 19	Threshold 3 Activation Delay	GG	28206	Float	4	R W	Second	1	0 - 9999
Configurable Protection 19	Threshold 3 Alarm Config	GG	28208	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 19	Threshold 4 Type	GG	28210	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 19	Threshold 4 Pickup	GG	28212	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 19	Threshold 4 Activation Delay	GG	28214	Float	4	R W	Second	1	0 - 9999
Configurable Protection 19	Threshold 4 Alarm Config	GG	28216	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 19	Low Line Scale Current	GG	28218	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 19	Low Line Scale Voltage	GG	28220	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 19	Label	GG	28222	String	16	R W	n/a	1	0 - 16
Configurable Protection 20	Parameter Selection	GG	28230	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 20	Hysteresis	GG	28232	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 20	Arming Delay	GG	28234	Float	4	R W	Second	1	0 - 9999
Configurable Protection 20	Threshold 1 Type	GG	28236	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 20	Threshold 1 Pickup	GG	28238	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 20	Threshold 1 Activation Delay	GG	28240	Float	4	R W	Second	1	0 - 9999
Configurable Protection 20	Threshold 1 Alarm Config	GG	28242	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 20	Threshold 2 Type	GG	28244	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 20	Threshold 2 Pickup	GG	28246	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 20	Threshold 2 Activation Delay	GG	28248	Float	4	R W	Second	1	0 - 9999
Configurable Protection 20	Threshold 2 Alarm Config	GG	28250	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 20	Threshold 3 Type	GG	28252	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 20	Threshold 3 Pickup	GG	28254	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 20	Threshold 3 Activation Delay	GG	28256	Float	4	R W	Second	1	0 - 9999
Configurable Protection 20	Threshold 3 Alarm Config	GG	28258	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 20	Threshold 4 Type	GG	28260	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 20	Threshold 4 Pickup	GG	28262	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 20	Threshold 4 Activation Delay	GG	28264	Float	4	R W	Second	1	0 - 9999
Configurable Protection 20	Threshold 4 Alarm Config	GG	28266	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
ConfigProt20	Low Line Scale Current	GG	28268	Float	4	R W	n/a	0.001	0.001 - 3
ConfigProt20	Low Line Scale Voltage	GG	28270	Float	4	R W	n/a	0.001	0.001 - 3
ConfigProt20	Label	GG	28272	String	16	R W	n/a	1	0 - 16
Configurable Protection 21	Parameter Selection	GG	28280	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 21	Hysteresis	GG	28282	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 21	Arming Delay	GG	28284	Float	4	R W	Second	1	0 - 9999
Configurable Protection 21	Threshold 1 Type	GG	28286	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 21	Threshold 1 Pickup	GG	28288	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 21	Threshold 1 Activation Delay	GG	28290	Float	4	R W	Second	1	0 - 9999
Configurable Protection 21	Threshold 1 Alarm Config	GG	28292	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 21	Threshold 2 Type	GG	28294	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 21	Threshold 2 Pickup	GG	28296	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 21	Threshold 2 Activation Delay	GG	28298	Float	4	R W	Second	1	0 - 9999
Configurable Protection 21	Threshold 2 Alarm Config	GG	28300	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 21	Threshold 3 Type	GG	28302	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 21	Threshold 3 Pickup	GG	28304	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 21	Threshold 3 Activation Delay	GG	28306	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 21	Threshold 3 Alarm Config	GG	28308	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 21	Threshold 4 Type	GG	28310	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 21	Threshold 4 Pickup	GG	28312	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 21	Threshold 4 Activation Delay	GG	28314	Float	4	R W	Second	1	0 - 9999
Configurable Protection 21	Threshold 4 Alarm Config	GG	28316	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 21	Low Line Scale Current	GG	28318	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 21	Low Line Scale Voltage	GG	28320	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 21	Label	GG	28322	String	16	R W	n/a	1	0 - 16
Configurable Protection 22	Parameter Selection	GG	28330	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 22	Hysteresis	GG	28332	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 22	Arming Delay	GG	28334	Float	4	R W	Second	1	0 - 9999
Configurable Protection 22	Threshold 1 Type	GG	28336	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 22	Threshold 1 Pickup	GG	28338	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 22	Threshold 1 Activation Delay	GG	28340	Float	4	R W	Second	1	0 - 9999
Configurable Protection 22	Threshold 1 Alarm Config	GG	28342	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 22	Threshold 2 Type	GG	28344	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 22	Threshold 2 Pickup	GG	28346	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 22	Threshold 2 Activation Delay	GG	28348	Float	4	R W	Second	1	0 - 9999
Configurable Protection 22	Threshold 2 Alarm Config	GG	28350	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 22	Threshold 3 Type	GG	28352	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 22	Threshold 3 Pickup	GG	28354	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 22	Threshold 3 Activation Delay	GG	28356	Float	4	R W	Second	1	0 - 9999
Configurable Protection 22	Threshold 3 Alarm Config	GG	28358	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 22	Threshold 4 Type	GG	28360	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 22	Threshold 4 Pickup	GG	28362	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 22	Threshold 4 Activation Delay	GG	28364	Float	4	R W	Second	1	0 - 9999
Configurable Protection 22	Threshold 4 Alarm Config	GG	28366	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 22	Low Line Scale Current	GG	28368	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 22	Low Line Scale Voltage	GG	28370	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 22	Label	GG	28372	String	16	R W	n/a	1	0 - 16
Configurable Protection 23	Parameter Selection	GG	28380	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 23	Hysteresis	GG	28382	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 23	Arming Delay	GG	28384	Float	4	R W	Second	1	0 - 9999
Configurable Protection 23	Threshold 1 Type	GG	28386	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 23	Threshold 1 Pickup	GG	28388	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 23	Threshold 1 Activation Delay	GG	28390	Float	4	R W	Second	1	0 - 9999
Configurable Protection 23	Threshold 1 Alarm Config	GG	28392	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 23	Threshold 2 Type	GG	28394	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 23	Threshold 2 Pickup	GG	28396	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 23	Threshold 2 Activation Delay	GG	28398	Float	4	R W	Second	1	0 - 9999
Configurable Protection 23	Threshold 2 Alarm Config	GG	28400	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 23	Threshold 3 Type	GG	28402	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 23	Threshold 3 Pickup	GG	28404	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 23	Threshold 3 Activation Delay	GG	28406	Float	4	R W	Second	1	0 - 9999
Configurable Protection 23	Threshold 3 Alarm Config	GG	28408	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 23	Threshold 4 Type	GG	28410	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 23	Threshold 4 Pickup	GG	28412	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 23	Threshold 4 Activation Delay	GG	28414	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 23	Threshold 4 Alarm Config	GG	28416	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 23	Low Line Scale Current	GG	28418	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 23	Low Line Scale Voltage	GG	28420	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 23	Label	GG	28422	String	16	R W	n/a	1	0 - 16
Configurable Protection 24	Parameter Selection	GG	28430	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 24	Hysteresis	GG	28432	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 24	Arming Delay	GG	28434	Float	4	R W	Second	1	0 - 9999
Configurable Protection 24	Threshold 1 Type	GG	28436	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 24	Threshold 1 Pickup	GG	28438	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 24	Threshold 1 Activation Delay	GG	28440	Float	4	R W	Second	1	0 - 9999
Configurable Protection 24	Threshold 1 Alarm Config	GG	28442	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 24	Threshold 2 Type	GG	28444	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 24	Threshold 2 Pickup	GG	28446	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 24	Threshold 2 Activation Delay	GG	28448	Float	4	R W	Second	1	0 - 9999
Configurable Protection 24	Threshold 2 Alarm Config	GG	28450	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 24	Threshold 3 Type	GG	28452	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 24	Threshold 3 Pickup	GG	28454	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 24	Threshold 3 Activation Delay	GG	28456	Float	4	R W	Second	1	0 - 9999
Configurable Protection 24	Threshold 3 Alarm Config	GG	28458	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 24	Threshold 4 Type	GG	28460	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 24	Threshold 4 Pickup	GG	28462	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 24	Threshold 4 Activation Delay	GG	28464	Float	4	R W	Second	1	0 - 9999
Configurable Protection 24	Threshold 4 Alarm Config	GG	28466	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 24	Low Line Scale Current	GG	28468	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 24	Low Line Scale Voltage	GG	28470	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 24	Label	GG	28472	String	16	R W	n/a	1	0 - 16
Configurable Protection 25	Parameter Selection	GG	28480	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 25	Hysteresis	GG	28482	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 25	Arming Delay	GG	28484	Float	4	R W	Second	1	0 - 9999
Configurable Protection 25	Threshold 1 Type	GG	28486	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 25	Threshold 1 Pickup	GG	28488	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 25	Threshold 1 Activation Delay	GG	28490	Float	4	R W	Second	1	0 - 9999
Configurable Protection 25	Threshold 1 Alarm Config	GG	28492	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 25	Threshold 2 Type	GG	28494	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 25	Threshold 2 Pickup	GG	28496	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 25	Threshold 2 Activation Delay	GG	28498	Float	4	R W	Second	1	0 - 9999
Configurable Protection 25	Threshold 2 Alarm Config	GG	28500	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 25	Threshold 3 Type	GG	28502	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 25	Threshold 3 Pickup	GG	28504	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 25	Threshold 3 Activation Delay	GG	28506	Float	4	R W	Second	1	0 - 9999
Configurable Protection 25	Threshold 3 Alarm Config	GG	28508	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 25	Threshold 4 Type	GG	28510	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 25	Threshold 4 Pickup	GG	28512	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 25	Threshold 4 Activation Delay	GG	28514	Float	4	R W	Second	1	0 - 9999
Configurable Protection 25	Threshold 4 Alarm Config	GG	28516	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 25	Low Line Scale Current	GG	28518	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 25	Low Line Scale Voltage	GG	28520	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 25	Label	GG	28522	String	16	R W	n/a	1	0 - 16
Configurable	Parameter Selection	GG	28530	Int32	4	R W		n/a	See the Selectable

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Protection 26									Parameters chapter for a complete list.
Configurable Protection 26	Hysteresis	GG	28532	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 26	Arming Delay	GG	28534	Float	4	R W	Second	1	0 - 9999
Configurable Protection 26	Threshold 1 Type	GG	28536	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 26	Threshold 1 Pickup	GG	28538	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 26	Threshold 1 Activation Delay	GG	28540	Float	4	R W	Second	1	0 - 9999
Configurable Protection 26	Threshold 1 Alarm Config	GG	28542	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 26	Threshold 2 Type	GG	28544	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 26	Threshold 2 Pickup	GG	28546	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 26	Threshold 2 Activation Delay	GG	28548	Float	4	R W	Second	1	0 - 9999
Configurable Protection 26	Threshold 2 Alarm Config	GG	28550	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 26	Threshold 3 Type	GG	28552	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 26	Threshold 3 Pickup	GG	28554	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 26	Threshold 3 Activation Delay	GG	28556	Float	4	R W	Second	1	0 - 9999
Configurable Protection 26	Threshold 3 Alarm Config	GG	28558	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 26	Threshold 4 Type	GG	28560	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 26	Threshold 4 Pickup	GG	28562	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 26	Threshold 4 Activation Delay	GG	28564	Float	4	R W	Second	1	0 - 9999
Configurable Protection 26	Threshold 4 Alarm Config	GG	28566	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 26	Low Line Scale Current	GG	28568	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 26	Low Line Scale Voltage	GG	28570	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 26	Label	GG	28572	String	16	R W	n/a	1	0 - 16
Configurable Protection 27	Parameter Selection	GG	28580	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 27	Hysteresis	GG	28582	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 27	Arming Delay	GG	28584	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 27	Threshold 1 Type	GG	28586	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 27	Threshold 1 Pickup	GG	28588	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 27	Threshold 1 Activation Delay	GG	28590	Float	4	R W	Second	1	0 - 9999
Configurable Protection 27	Threshold 1 Alarm Config	GG	28592	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 27	Threshold 2 Type	GG	28594	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 27	Threshold 2 Pickup	GG	28596	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 27	Threshold 2 Activation Delay	GG	28598	Float	4	R W	Second	1	0 - 9999
Configurable Protection 27	Threshold 2 Alarm Config	GG	28600	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 27	Threshold 3 Type	GG	28602	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 27	Threshold 3 Pickup	GG	28604	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 27	Threshold 3 Activation Delay	GG	28606	Float	4	R W	Second	1	0 - 9999
Configurable Protection 27	Threshold 3 Alarm Config	GG	28608	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 27	Threshold 4 Type	GG	28610	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 27	Threshold 4 Pickup	GG	28612	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 27	Threshold 4 Activation Delay	GG	28614	Float	4	R W	Second	1	0 - 9999
Configurable Protection 27	Threshold 4 Alarm Config	GG	28616	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 27	Low Line Scale Current	GG	28618	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 27	Low Line Scale Voltage	GG	28620	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 27	Label	GG	28622	String	16	R W	n/a	1	0 - 16
Configurable Protection 28	Parameter Selection	GG	28630	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 28	Hysteresis	GG	28632	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 28	Arming Delay	GG	28634	Float	4	R W	Second	1	0 - 9999
Configurable Protection 28	Threshold 1 Type	GG	28636	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 28	Threshold 1 Pickup	GG	28638	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 28	Threshold 1 Activation Delay	GG	28640	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 28	Threshold 1 Alarm Config	GG	28642	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 28	Threshold 2 Type	GG	28644	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 28	Threshold 2 Pickup	GG	28646	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 28	Threshold 2 Activation Delay	GG	28648	Float	4	R W	Second	1	0 - 9999
Configurable Protection 28	Threshold 2 Alarm Config	GG	28650	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 28	Threshold 3 Type	GG	28652	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 28	Threshold 3 Pickup	GG	28654	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 28	Threshold 3 Activation Delay	GG	28656	Float	4	R W	Second	1	0 - 9999
Configurable Protection 28	Threshold 3 Alarm Config	GG	28658	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 28	Threshold 4 Type	GG	28660	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 28	Threshold 4 Pickup	GG	28662	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 28	Threshold 4 Activation Delay	GG	28664	Float	4	R W	Second	1	0 - 9999
Configurable Protection 28	Threshold 4 Alarm Config	GG	28666	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 28	Low Line Scale Current	GG	28668	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 28	Low Line Scale Voltage	GG	28670	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 28	Label	GG	28672	String	16	R W	n/a	1	0 - 16
Configurable Protection 29	Parameter Selection	GG	28680	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 29	Hysteresis	GG	28682	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 29	Arming Delay	GG	28684	Float	4	R W	Second	1	0 - 9999
Configurable Protection 29	Threshold 1 Type	GG	28686	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 29	Threshold 1 Pickup	GG	28688	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 29	Threshold 1 Activation Delay	GG	28690	Float	4	R W	Second	1	0 - 9999
Configurable Protection 29	Threshold 1 Alarm Config	GG	28692	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 29	Threshold 2 Type	GG	28694	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 29	Threshold 2 Pickup	GG	28696	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 29	Threshold 2 Activation Delay	GG	28698	Float	4	R W	Second	1	0 - 9999
Configurable Protection 29	Threshold 2 Alarm Config	GG	28700	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 29	Threshold 3 Type	GG	28702	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 29	Threshold 3 Pickup	GG	28704	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 29	Threshold 3 Activation Delay	GG	28706	Float	4	R W	Second	1	0 - 9999
Configurable Protection 29	Threshold 3 Alarm Config	GG	28708	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 29	Threshold 4 Type	GG	28710	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 29	Threshold 4 Pickup	GG	28712	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 29	Threshold 4 Activation Delay	GG	28714	Float	4	R W	Second	1	0 - 9999
Configurable Protection 29	Threshold 4 Alarm Config	GG	28716	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 29	Low Line Scale Current	GG	28718	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 29	Low Line Scale Voltage	GG	28720	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 29	Label	GG	28722	String	16	R W	n/a	1	0 - 16
Configurable Protection 30	Parameter Selection	GG	28730	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 30	Hysteresis	GG	28732	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 30	Arming Delay	GG	28734	Float	4	R W	Second	1	0 - 9999
Configurable Protection 30	Threshold 1 Type	GG	28736	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 30	Threshold 1 Pickup	GG	28738	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 30	Threshold 1 Activation Delay	GG	28740	Float	4	R W	Second	1	0 - 9999
Configurable Protection 30	Threshold 1 Alarm Config	GG	28742	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 30	Threshold 2 Type	GG	28744	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 30	Threshold 2 Pickup	GG	28746	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 30	Threshold 2 Activation Delay	GG	28748	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 30	Threshold 2 Alarm Config	GG	28750	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 30	Threshold 3 Type	GG	28752	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 30	Threshold 3 Pickup	GG	28754	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 30	Threshold 3 Activation Delay	GG	28756	Float	4	R W	Second	1	0 - 9999
Configurable Protection 30	Threshold 3 Alarm Config	GG	28758	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 30	Threshold 4 Type	GG	28760	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 30	Threshold 4 Pickup	GG	28762	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 30	Threshold 4 Activation Delay	GG	28764	Float	4	R W	Second	1	0 - 9999
Configurable Protection 30	Threshold 4 Alarm Config	GG	28766	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 30	Low Line Scale Current	GG	28768	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 30	Low Line Scale Voltage	GG	28770	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 30	Label	GG	28772	String	16	R W	n/a	1	0 - 16
Configurable Protection 31	Parameter Selection	GG	28780	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 31	Hysteresis	GG	28782	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 31	Arming Delay	GG	28784	Float	4	R W	Second	1	0 - 9999
Configurable Protection 31	Threshold 1 Type	GG	28786	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 31	Threshold 1 Pickup	GG	28788	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 31	Threshold 1 Activation Delay	GG	28790	Float	4	R W	Second	1	0 - 9999
Configurable Protection 31	Threshold 1 Alarm Config	GG	28792	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 31	Threshold 2 Type	GG	28794	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 31	Threshold 2 Pickup	GG	28796	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 31	Threshold 2 Activation Delay	GG	28798	Float	4	R W	Second	1	0 - 9999
Configurable Protection 31	Threshold 2 Alarm Config	GG	28800	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 31	Threshold 3 Type	GG	28802	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 31	Threshold 3 Pickup	GG	28804	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 31	Threshold 3 Activation Delay	GG	28806	Float	4	R W	Second	1	0 - 9999
Configurable Protection 31	Threshold 3 Alarm Config	GG	28808	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 31	Threshold 4 Type	GG	28810	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 31	Threshold 4 Pickup	GG	28812	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 31	Threshold 4 Activation Delay	GG	28814	Float	4	R W	Second	1	0 - 9999
Configurable Protection 31	Threshold 4 Alarm Config	GG	28816	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 31	Low Line Scale Current	GG	28818	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 31	Low Line Scale Voltage	GG	28820	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 31	Label	GG	28822	String	16	R W	n/a	1	0 - 16
Configurable Protection 32	Parameter Selection	GG	28830	Int32	4	R W		n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 32	Hysteresis	GG	28832	Float	4	R W	Percent	0.1	0 - 100
Configurable Protection 32	Arming Delay	GG	28834	Float	4	R W	Second	1	0 - 9999
Configurable Protection 32	Threshold 1 Type	GG	28836	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 32	Threshold 1 Pickup	GG	28838	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 32	Threshold 1 Activation Delay	GG	28840	Float	4	R W	Second	1	0 - 9999
Configurable Protection 32	Threshold 1 Alarm Config	GG	28842	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 32	Threshold 2 Type	GG	28844	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 32	Threshold 2 Pickup	GG	28846	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 32	Threshold 2 Activation Delay	GG	28848	Float	4	R W	Second	1	0 - 9999
Configurable Protection 32	Threshold 2 Alarm Config	GG	28850	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 32	Threshold 3 Type	GG	28852	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 32	Threshold 3 Pickup	GG	28854	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 32	Threshold 3 Activation Delay	GG	28856	Float	4	R W	Second	1	0 - 9999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Configurable Protection 32	Threshold 3 Alarm Config	GG	28858	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 32	Threshold 4 Type	GG	28860	Int32	4	R W	n/a	n/a	Disabled=0 Over=1 Under=2
Configurable Protection 32	Threshold 4 Pickup	GG	28862	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 32	Threshold 4 Activation Delay	GG	28864	Float	4	R W	Second	1	0 - 9999
Configurable Protection 32	Threshold 4 Alarm Config	GG	28866	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Configurable Protection 32	Low Line Scale Current	GG	28868	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 32	Low Line Scale Voltage	GG	28870	Float	4	R W	n/a	0.001	0.001 - 3
Configurable Protection 32	Label	GG	28872	String	16	R W	n/a	1	0 - 16
Fuel Level Protection	Low Fuel Pre-alarm Hysteresis	GG	28880	Float	4	R W	Percent	0.01	0 - 20
Fuel Level Protection	Low Fuel Alarm Hysteresis	GG	28882	Float	4	R W	Percent	0.01	0 - 20
Fuel Level Protection	High Fuel Pre-alarm Hysteresis	GG	28884	Float	4	R W	Percent	0.01	0 - 20
Configurable Protection 1	Parameter 2 Selection	GG	28886	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 1	Math Operator	GG	28888	Int8	1	R W	n/a	n/a	None=0 Add=1 Subtract=2 Multiply=3 Divide=4
Configurable Protection 1	Scale Factor 1	GG	28889	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 1	Offset 1	GG	28891	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 1	Scale Factor 2	GG	28893	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 1	Offset 2	GG	28895	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 2	Parameter 2 Selection	GG	28897	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 2	Math Operator	GG	28899	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 2	Scale Factor 1	GG	28900	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 2	Offset 1	GG	28902	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 2	Scale Factor 2	GG	28904	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 2	Offset 2	GG	28906	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 3	Parameter 2 Selection	GG	28908	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 3	Math Operator	GG	28910	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 3	Scale Factor 1	GG	28911	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 3	Offset 1	GG	28913	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable	Scale Factor 2	GG	28915	Float	4	R W	n/a	0.01	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Protection 3									
Configurable Protection 3	Offset 2	GG	28917	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 4	Parameter 2 Selection	GG	28919	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 4	Math Operator	GG	28921	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 4	Scale Factor 1	GG	28922	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 4	Offset 1	GG	28924	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 4	Scale Factor 2	GG	28926	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 4	Offset 2	GG	28928	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 5	Parameter 2 Selection	GG	28930	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 5	Math Operator	GG	28932	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 5	Scale Factor 1	GG	28933	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 5	Offset 1	GG	28935	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 5	Scale Factor 2	GG	28937	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 5	Offset 2	GG	28939	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 6	Parameter 2 Selection	GG	28941	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 6	Math Operator	GG	28943	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 6	Scale Factor 1	GG	28944	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 6	Offset 1	GG	28946	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 6	Scale Factor 2	GG	28948	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 6	Offset 2	GG	28950	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 7	Parameter 2 Selection	GG	28952	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 7	Math Operator	GG	28954	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 7	Scale Factor 1	GG	28955	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 7	Offset 1	GG	28957	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 7	Scale Factor 2	GG	28959	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 7	Offset 2	GG	28961	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 8	Parameter 2 Selection	GG	28963	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 8	Math Operator	GG	28965	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 8	Scale Factor 1	GG	28966	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 8	Offset 1	GG	28968	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable	Scale Factor 2	GG	28970	Float	4	R W	n/a	0.01	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Protection 8									
Configurable Protection 8	Offset 2	GG	28972	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 9	Parameter 2 Selection	GG	28974	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 9	Math Operator	GG	28976	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 9	Scale Factor 1	GG	28977	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 9	Offset 1	GG	28979	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 9	Scale Factor 2	GG	28981	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 9	Offset 2	GG	28983	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 10	Parameter 2 Selection	GG	28985	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 10	Math Operator	GG	28987	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 10	Scale Factor 1	GG	28988	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 10	Offset 1	GG	28990	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 10	Scale Factor 2	GG	28992	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 10	Offset 2	GG	28994	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 11	Parameter 2 Selection	GG	28996	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 11	Math Operator	GG	28998	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 11	Scale Factor 1	GG	28999	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 11	Offset 1	GG	29001	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 11	Scale Factor 2	GG	29003	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 11	Offset 2	GG	29005	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 12	Parameter 2 Selection	GG	29007	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 12	Math Operator	GG	29009	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 12	Scale Factor 1	GG	29010	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 12	Offset 1	GG	29012	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 12	Scale Factor 2	GG	29014	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 12	Offset 2	GG	29016	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 13	Parameter 2 Selection	GG	29018	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 13	Math Operator	GG	29020	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 13	Scale Factor 1	GG	29021	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 13	Offset 1	GG	29023	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable	Scale Factor 2	GG	29025	Float	4	R W	n/a	0.01	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Protection 13									
Configurable Protection 13	Offset 2	GG	29027	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 14	Parameter 2 Selection	GG	29029	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 14	Math Operator	GG	29031	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 14	Scale Factor 1	GG	29032	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 14	Offset 1	GG	29034	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 14	Scale Factor 2	GG	29036	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 14	Offset 2	GG	29038	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 15	Parameter 2 Selection	GG	29040	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 15	Math Operator	GG	29042	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 15	Scale Factor 1	GG	29043	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 15	Offset 1	GG	29045	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 15	Scale Factor 2	GG	29047	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 15	Offset 2	GG	29049	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 16	Parameter 2 Selection	GG	29051	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 16	Math Operator	GG	29053	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 16	Scale Factor 1	GG	29054	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 16	Offset 1	GG	29056	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 16	Scale Factor 2	GG	29058	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 16	Offset 2	GG	29060	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 17	Parameter 2 Selection	GG	29062	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 17	Math Operator	GG	29064	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 17	Scale Factor 1	GG	29065	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 17	Offset 1	GG	29067	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 17	Scale Factor 2	GG	29069	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 17	Offset 2	GG	29071	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 18	Parameter 2 Selection	GG	29073	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 18	Math Operator	GG	29075	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 18	Scale Factor 1	GG	29076	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 18	Offset 1	GG	29078	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable	Scale Factor 2	GG	29080	Float	4	R W	n/a	0.01	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Protection 18									
Configurable Protection 18	Offset 2	GG	29082	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 19	Parameter 2 Selection	GG	29084	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 19	Math Operator	GG	29086	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 19	Scale Factor 1	GG	29087	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 19	Offset 1	GG	29089	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 19	Scale Factor 2	GG	29091	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 19	Offset 2	GG	29093	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 20	Parameter 2 Selection	GG	29095	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 20	Math Operator	GG	29097	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 20	Scale Factor 1	GG	29098	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 20	Offset 1	GG	29100	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 20	Scale Factor 2	GG	29102	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 20	Offset 2	GG	29104	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 21	Parameter 2 Selection	GG	29106	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 21	Math Operator	GG	29108	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 21	Scale Factor 1	GG	29109	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 21	Offset 1	GG	29111	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 21	Scale Factor 2	GG	29113	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 21	Offset 2	GG	29115	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 22	Parameter 2 Selection	GG	29117	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 22	Math Operator	GG	29119	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 22	Scale Factor 1	GG	29120	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 22	Offset 1	GG	29122	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 22	Scale Factor 2	GG	29124	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 22	Offset 2	GG	29126	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 23	Parameter 2 Selection	GG	29128	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 23	Math Operator	GG	29130	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 23	Scale Factor 1	GG	29131	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 23	Offset 1	GG	29133	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable	Scale Factor 2	GG	29135	Float	4	R W	n/a	0.01	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Protection 23									
Configurable Protection 23	Offset 2	GG	29137	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 24	Parameter 2 Selection	GG	29139	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 24	Math Operator	GG	29141	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 24	Scale Factor 1	GG	29142	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 24	Offset 1	GG	29144	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 24	Scale Factor 2	GG	29146	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 24	Offset 2	GG	29148	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 25	Parameter 2 Selection	GG	29150	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 25	Math Operator	GG	29152	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 25	Scale Factor 1	GG	29153	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 25	Offset 1	GG	29155	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 25	Scale Factor 2	GG	29157	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 25	Offset 2	GG	29159	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 26	Parameter 2 Selection	GG	29161	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 26	Math Operator	GG	29163	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 26	Scale Factor 1	GG	29164	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 26	Offset 1	GG	29166	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 26	Scale Factor 2	GG	29168	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 26	Offset 2	GG	29170	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 27	Parameter 2 Selection	GG	29172	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 27	Math Operator	GG	29174	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 27	Scale Factor 1	GG	29175	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 27	Offset 1	GG	29177	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 27	Scale Factor 2	GG	29179	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 27	Offset 2	GG	29181	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 28	Parameter 2 Selection	GG	29183	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 28	Math Operator	GG	29185	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 28	Scale Factor 1	GG	29186	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 28	Offset 1	GG	29188	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable	Scale Factor 2	GG	29190	Float	4	R W	n/a	0.01	-999999 - 999999

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
Protection 28									
Configurable Protection 28	Offset 2	GG	29192	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 29	Parameter 2 Selection	GG	29194	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 29	Math Operator	GG	29196	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 29	Scale Factor 1	GG	29197	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 29	Offset 1	GG	29199	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 29	Scale Factor 2	GG	29201	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 29	Offset 2	GG	29203	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 30	Parameter 2 Selection	GG	29205	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 30	Math Operator	GG	29207	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 30	Scale Factor 1	GG	29208	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 30	Offset 1	GG	29210	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 30	Scale Factor 2	GG	29212	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 30	Offset 2	GG	29214	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 31	Parameter 2 Selection	GG	29216	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 31	Math Operator	GG	29218	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 31	Scale Factor 1	GG	29219	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 31	Offset 1	GG	29221	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 31	Scale Factor 2	GG	29223	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 31	Offset 2	GG	29225	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 32	Parameter 2 Selection	GG	29227	Int32	4	R W	n/a	n/a	See the Selectable Parameters chapter for a complete list.
Configurable Protection 32	Math Operator	GG	29229	Int8	1	R W	n/a	n/a	None=0 +=1 -=2 x=3 +=4
Configurable Protection 32	Scale Factor 1	GG	29230	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 32	Offset 1	GG	29232	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 32	Scale Factor 2	GG	29234	Float	4	R W	n/a	0.01	-999999 - 999999
Configurable Protection 32	Offset 2	GG	29236	Float	4	R W	n/a	0.01	-999999 - 999999
Loss Of Sensing	Mode	GG	29238	UInt32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Loss Of Sensing	Time Delay	GG	29240	Float	4	R W	Millisecond	100	0 - 600000
Loss Of Sensing	Voltage Balanced Level	GG	29242	Float	4	R W	Percent	0.1	0 - 100
Loss Of Sensing	Voltage Unbalanced Level	GG	29244	Float	4	R W	Percent	0.1	0 - 100
Loss Of Sensing	Fault Current	GG	29246	Float	4	R W	Amp	0.001	0.9 - 20
Loss Of Sensing	Alarm Config	GG	29248	UInt32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2

Name	Description	Group	Register	Type	Bytes	R/W	Unit	Increment	Range
									Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Loss Of Sensing	Current Low Line Scale Factor	GG	29250	Float	4	R W	n/a	0.001	0.001 - 3
Loss Of Sensing	SP Mode	GG	29252	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Loss Of Sensing	SP Time Delay	GG	29254	Float	4	R W	Millisecond	100	0 - 600000
Loss Of Sensing	SP Voltage Level	GG	29256	Float	4	R W	Percent	0.1	0 - 100
Loss Of Sensing	SP Fault Current	GG	29258	Float	4	R W	Amp	0.001	0.9 - 20
Loss Of Sensing	SP Alarm Config	GG	29260	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Loss Of Sensing	SP Current Low Line Scale Factor	GG	29262	Float	4	R W	n/a	0.001	0.001 - 3
EDM	Mode	GG	29264	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
EDM	Pickup	GG	29266	Float	4	R W	Amp	0.1	0.1 - 10
EDM	Time Delay	GG	29268	Float	4	R W	Millisecond	100	0 - 30000
EDM	Alarm Config	GG	29270	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6
Field Overvoltage	Mode	GG	29272	Uint32	4	R W	n/a	n/a	Disabled=0 Enabled=1
Field Overvoltage	Pickup	GG	29274	Float	4	R W	Volt	1	1 - 120
Field Overvoltage	Time Delay	GG	29276	Float	4	R W	Millisecond	100	0 - 30000
Field Overvoltage	Alarm Config	GG	29278	Uint32	4	R W	n/a	n/a	Status Only=0 Pre-Alarm=1 Alarm=2 Alarm Unload=3 Alarm Cooldown=4 Alarm Unload Cooldown=5 Latched Pre-Alarm=6

15 • Text Strings Register Table

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Programmable Labels	Device ID Label	35000	String	64	R W	n/a	n/a	0 - 64
Programmable Labels	Station Name Label	35032	String	64	R W	n/a	n/a	0 - 64
Programmable Labels	User ID	35064	String	64	R W	n/a	n/a	0 - 64
Gen Exerciser	Session Length	35096	String	32	R	n/a	1	0 - 32
Gen Exerciser	Session Elapsed Time	35112	String	32	R	n/a	1	0 - 32
Gen Exerciser	Next Start Time	35128	String	32	R	n/a	1	0 - 32
Gen Exerciser	Time to Next Start	35144	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Sunday Time Remaining	35160	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Monday Time Remaining	35176	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Tuesday Time Remaining	35192	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Wednesday Time Remaining	35208	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Thursday Time Remaining	35224	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Friday Time Remaining	35240	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Saturday Time Remaining	35256	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Time of Next Event	35372	String	32	R	n/a	1	0 - 32
Seven Day Timer 1	Time Until Next Event	35288	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Sunday Time Remaining	35304	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Monday Time Remaining	35320	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Tuesday Time Remaining	35336	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Wednesday Time Remaining	35352	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Thursday Time Remaining	35368	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Friday Time Remaining	35384	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Saturday Time Remaining	35400	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Time of Next Event	35416	String	32	R	n/a	1	0 - 32
Seven Day Timer 2	Time Until Next Event	35432	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Sunday Time Remaining	35448	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Monday Time Remaining	35464	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Tuesday Time Remaining	35480	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Wednesday Time Remaining	35496	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Thursday Time Remaining	35512	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Friday Time Remaining	35528	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Saturday Time Remaining	35544	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Time of Next Event	35560	String	32	R	n/a	1	0 - 32
Seven Day Timer 3	Time Until Next Event	35576	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Sunday Time Remaining	35592	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Monday Time Remaining	35608	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Tuesday Time Remaining	35624	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Wednesday Time Remaining	35640	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Thursday Time Remaining	35656	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Friday Time Remaining	35672	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Saturday Time Remaining	35688	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Time of Next Event	35704	String	32	R	n/a	1	0 - 32
Seven Day Timer 4	Time Until Next Event	35720	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Sunday Time Remaining	35736	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Monday Time Remaining	35752	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Tuesday Time Remaining	35768	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Wednesday Time Remaining	35784	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Thursday Time Remaining	35800	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Friday Time Remaining	35816	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Saturday Time Remaining	35832	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Time of Next Event	35848	String	32	R	n/a	1	0 - 32
Seven Day Timer 5	Time Until Next Event	35864	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Sunday Time Remaining	35880	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Monday Time Remaining	35896	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Tuesday Time Remaining	35912	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Wednesday Time Remaining	35928	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Thursday Time Remaining	35944	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Friday Time Remaining	35960	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Saturday Time Remaining	35976	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Time of Next Event	35992	String	32	R	n/a	1	0 - 32
Seven Day Timer 6	Time Until Next Event	36008	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Sunday Time Remaining	36024	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Monday Time Remaining	36040	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Tuesday Time Remaining	36056	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Wednesday Time Remaining	36072	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Thursday Time Remaining	36088	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Friday Time Remaining	36104	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Saturday Time Remaining	36120	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Time of Next Event	36136	String	32	R	n/a	1	0 - 32
Seven Day Timer 7	Time Until Next Event	36152	String	32	R	n/a	1	0 - 32
Seven Day Timer 8	Sunday Time Remaining	36168	String	32	R	n/a	1	0 - 32

Name	Description	Register	Type	Bytes	R/W	Unit	Increment	Range
Seven Day Timer 8	Monday Time Remaining	36184	String	32	R	n/a	1	0 - 32
Seven Day Timer 8	Tuesday Time Remaining	36200	String	32	R	n/a	1	0 - 32
Seven Day Timer 8	Wednesday Time Remaining	36216	String	32	R	n/a	1	0 - 32
Seven Day Timer 8	Thursday Time Remaining	36232	String	32	R	n/a	1	0 - 32
Seven Day Timer 8	Friday Time Remaining	36248	String	32	R	n/a	1	0 - 32
Seven Day Timer 8	Saturday Time Remaining	36264	String	32	R	n/a	1	0 - 32
Seven Day Timer 8	Time of Next Event	36280	String	32	R	n/a	1	0 - 32
Seven Day Timer 8	Time Until Next Event	36296	String	32	R	n/a	1	0 - 32
Prog Labels	Alarm 1 Text	36312	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 2 Text	36344	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 3 Text	36376	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 4 Text	36408	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 5 Text	36440	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 6 Text	36472	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 7 Text	36504	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 8 Text	36536	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 9 Text	36568	String	64	R	n/a	n/a	0 - 64
Prog Labels	Alarm 10 Text	36600	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36632	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36664	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36696	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36728	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36760	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36792	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36824	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36856	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36888	String	64	R	n/a	n/a	0 - 64
Prog Labels	PreAlarm 1 Text	36920	String	64	R	n/a	n/a	0 - 64
Prog Menu Labels	Gen Name	36952	String	64	R W	n/a	n/a	0 - 64
Prog Menu Labels	Bus 1 Name	36984	String	64	R W	n/a	n/a	0 - 64
Prog Menu Labels	Bus 2 Name	37016	String	64	R W	n/a	n/a	0 - 64
Gen Breaker	Label	37048	String	4	R W	n/a	n/a	0 - 4
Mains Breaker	Label	37050	String	4	R W	n/a	n/a	0 - 4
Group Breaker	Label	37052	String	4	R W	n/a	n/a	0 - 4
Tie Breaker	Label	37054	String	4	R W	n/a	n/a	0 - 4
Tie Breaker 2	Label	37056	String	4	R W	n/a	n/a	0 - 4

16 • Security Register Table

Name	Register	Type	Bytes	R/W	Range
Secure Login	41500	String	34	RW	0–34
Logout	41517	String	5	RW	0–5
Current Access	41520	Uint32	4	R	No Access=0 Read Access=1 Control Access=2 Operator Access=3 Setting Access=4 Design Access=5 Administrator Access=6



17 • Coils Table

Coil Number	Binary Point Name	R/W	Write Access Level
1	SCALE FACTOR OVERRIDE ALT FREQ OVERRIDE	R	NO ACCESS
2	LEGACYMODBUS LOSS_OF_REMOTE_MODULE_COMMS	R	NO ACCESS
3	SYSTEM DATA LOGIC 0	R	NO ACCESS
4	SYSTEM DATA LOGIC 1	R	NO ACCESS
5	ALARMS REAL TIME CLOCK ALM	R	NO ACCESS
6	ALARMS DATE TIME SET ALM	R	NO ACCESS
7	ALARMS FIRMWARE CHANGE ALM	R	NO ACCESS
8	ALARMS FREQ OUT OF RANGE ALM	R	NO ACCESS
9	ALARMS ETH1 LINK LOST ALM	R	NO ACCESS
10	ALARMS ETH2 LINK LOST ALM	R	NO ACCESS
11	ALARMS USB COM ALM	R	NO ACCESS
12	ALARMS IRIG SYNC LOST ALM	R	NO ACCESS
13	ALARMS LOGIC EQUAL NONE ALM	R	NO ACCESS
14	ALARMS NO USER SETTING ALM	R	NO ACCESS
15	ALARMS NTP SYNC LOST ALM	R	NO ACCESS
16	ALARMS UP RESET ALM	R	NO ACCESS
17	ALARMS PROGRAMMABLE ALARM 1	R	NO ACCESS
18	ALARMS PROGRAMMABLE ALARM 2	R	NO ACCESS
19	ALARMS PROGRAMMABLE ALARM 3	R	NO ACCESS
20	ALARMS PROGRAMMABLE ALARM 4	R	NO ACCESS
21	ALARMS PROGRAMMABLE ALARM 5	R	NO ACCESS
22	ALARMS PROGRAMMABLE ALARM 6	R	NO ACCESS
23	ALARMS PROGRAMMABLE ALARM 7	R	NO ACCESS
24	ALARMS PROGRAMMABLE ALARM 8	R	NO ACCESS
25	ALARMS PROGRAMMABLE ALARM 9	R	NO ACCESS
26	ALARMS PROGRAMMABLE ALARM 10	R	NO ACCESS
27	ALARMS PROGRAMMABLE ALARM 11	R	NO ACCESS
28	ALARMS PROGRAMMABLE ALARM 12	R	NO ACCESS
29	ALARMS PROGRAMMABLE ALARM 13	R	NO ACCESS
30	ALARMS PROGRAMMABLE ALARM 14	R	NO ACCESS
31	ALARMS PROGRAMMABLE ALARM 15	R	NO ACCESS
32	ALARMS PROGRAMMABLE ALARM 16	R	NO ACCESS
33	ALARMS UNSUPPORTED NUM AEM	R	NO ACCESS
34	ALARMS UNSUPPORTED NUM CEM	R	NO ACCESS
35	ALARMS LOGIC ALARM	R	NO ACCESS
36	ALARMS LOGIC PREALARM	R	NO ACCESS
37	ALARMS GLOBAL SENDER FAIL ALARM	R	NO ACCESS
38	ALARMS CLOCK NOT SET ALM	R	NO ACCESS
39	ALARMS CLOCK BATTERY LOW ALM	R	NO ACCESS
40	ALARM REPORT ALARMOUTPUT	R	NO ACCESS
41	PRE-ALARM REPORT ALARMOUTPUT	R	NO ACCESS
42	CONTACT OUTPUTS OUTPUT1	R	NO ACCESS
43	CONTACT OUTPUTS OUTPUT2	R	NO ACCESS
44	CONTACT OUTPUTS OUTPUT3	R	NO ACCESS
45	CONTACT OUTPUTS OUTPUT4	R	NO ACCESS
46	CONTACT OUTPUTS OUTPUT5	R	NO ACCESS
47	CONTACT OUTPUTS OUTPUT6	R	NO ACCESS
48	CONTACT OUTPUTS OUTPUT7	R	NO ACCESS
49	CONTACT OUTPUTS OUTPUT8	R	NO ACCESS
50	CONTACT OUTPUTS OUTPUT9	R	NO ACCESS
51	CONTACT OUTPUTS OUTPUT10	R	NO ACCESS
52	CONTACT OUTPUTS OUTPUT11	R	NO ACCESS
53	CONTACT OUTPUTS OUTPUT12	R	NO ACCESS
54	CONTACT OUTPUTS PREHEAT PRELUBE RELAY	R	NO ACCESS
55	CONTACT OUTPUTS FUEL SOLENOID RELAY	R	NO ACCESS
56	CONTACT OUTPUTS MASTER START RELAY	R	NO ACCESS
57	VIRTUAL SWITCH VIRTUALSWITCH1	R	NO ACCESS
58	VIRTUAL SWITCH VIRTUALSWITCH2	R	NO ACCESS
59	VIRTUAL SWITCH VIRTUALSWITCH3	R	NO ACCESS
60	VIRTUAL SWITCH VIRTUALSWITCH4	R	NO ACCESS
61	VIRTUAL SWITCH VIRTUALSWITCH5	R	NO ACCESS
62	VIRTUAL SWITCH VIRTUALSWITCH6	R	NO ACCESS
63	BUZZER ALARM SILENCE ACTIVE	R	NO ACCESS
64	POWER METER PF LAGGING	R	NO ACCESS
65	POWERMETER2 PF LAGGING	R	NO ACCESS
66	POWERMETER3 PF LAGGING	R	NO ACCESS
67	27P-1 BLOCK	R	NO ACCESS
68	27P-1 PICKUP	R	NO ACCESS
69	27P-1 TRIP	R	NO ACCESS
70	27P-1 PREALARM	R	NO ACCESS
71	27P-1 ALARM	R	NO ACCESS
72	27P-2 BLOCK	R	NO ACCESS
73	27P-2 PICKUP	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
74	27P-2 TRIP	R	NO ACCESS
75	27P-2 PREALARM	R	NO ACCESS
76	27P-2 ALARM	R	NO ACCESS
77	27P-3 BLOCK	R	NO ACCESS
78	27P-3 PICKUP	R	NO ACCESS
79	27P-3 TRIP	R	NO ACCESS
80	27P-3 PREALARM	R	NO ACCESS
81	27P-3 ALARM	R	NO ACCESS
82	27P-4 BLOCK	R	NO ACCESS
83	27P-4 PICKUP	R	NO ACCESS
84	27P-4 TRIP	R	NO ACCESS
85	27P-4 PREALARM	R	NO ACCESS
86	27P-4 ALARM	R	NO ACCESS
87	27P-5 BLOCK	R	NO ACCESS
88	27P-5 PICKUP	R	NO ACCESS
89	27P-5 TRIP	R	NO ACCESS
90	27P-5 PREALARM	R	NO ACCESS
91	27P-5 ALARM	R	NO ACCESS
92	27P-6 BLOCK	R	NO ACCESS
93	27P-6 PICKUP	R	NO ACCESS
94	27P-6 TRIP	R	NO ACCESS
95	27P-6 PREALARM	R	NO ACCESS
96	27P-6 ALARM	R	NO ACCESS
97	59P-1 BLOCK	R	NO ACCESS
98	59P-1 PICKUP	R	NO ACCESS
99	59P-1 TRIP	R	NO ACCESS
100	59P-1 PREALARM	R	NO ACCESS
101	59P-1 ALARM	R	NO ACCESS
102	59P-2 BLOCK	R	NO ACCESS
103	59P-2 PICKUP	R	NO ACCESS
104	59P-2 TRIP	R	NO ACCESS
105	59P-2 PREALARM	R	NO ACCESS
106	59P-2 ALARM	R	NO ACCESS
107	59P-3 BLOCK	R	NO ACCESS
108	59P-3 PICKUP	R	NO ACCESS
109	59P-3 TRIP	R	NO ACCESS
110	59P-3 PREALARM	R	NO ACCESS
111	59P-3 ALARM	R	NO ACCESS
112	59P-4 BLOCK	R	NO ACCESS
113	59P-4 PICKUP	R	NO ACCESS
114	59P-4 TRIP	R	NO ACCESS
115	59P-4 PREALARM	R	NO ACCESS
116	59P-4 ALARM	R	NO ACCESS
117	59P-5 BLOCK	R	NO ACCESS
118	59P-5 PICKUP	R	NO ACCESS
119	59P-5 TRIP	R	NO ACCESS
120	59P-5 PREALARM	R	NO ACCESS
121	59P-5 ALARM	R	NO ACCESS
122	59P-6 BLOCK	R	NO ACCESS
123	59P-6 PICKUP	R	NO ACCESS
124	59P-6 TRIP	R	NO ACCESS
125	59P-6 PREALARM	R	NO ACCESS
126	59P-6 ALARM	R	NO ACCESS
127	47-1 BLOCK	R	NO ACCESS
128	47-1 PICKUP	R	NO ACCESS
129	47-1 TRIP	R	NO ACCESS
130	47-1 PREALARM	R	NO ACCESS
131	47-1 ALARM	R	NO ACCESS
132	47-2 BLOCK	R	NO ACCESS
133	47-2 PICKUP	R	NO ACCESS
134	47-2 TRIP	R	NO ACCESS
135	47-2 PREALARM	R	NO ACCESS
136	47-2 ALARM	R	NO ACCESS
137	47-3 BLOCK	R	NO ACCESS
138	47-3 PICKUP	R	NO ACCESS
139	47-3 TRIP	R	NO ACCESS
140	47-3 PREALARM	R	NO ACCESS
141	47-3 ALARM	R	NO ACCESS
142	47-4 BLOCK	R	NO ACCESS
143	47-4 PICKUP	R	NO ACCESS
144	47-4 TRIP	R	NO ACCESS
145	47-4 PREALARM	R	NO ACCESS
146	47-4 ALARM	R	NO ACCESS
147	47-5 BLOCK	R	NO ACCESS
148	47-5 PICKUP	R	NO ACCESS
149	47-5 TRIP	R	NO ACCESS
150	47-5 PREALARM	R	NO ACCESS
151	47-5 ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
152	47-6 BLOCK	R	NO ACCESS
153	47-6 PICKUP	R	NO ACCESS
154	47-6 TRIP	R	NO ACCESS
155	47-6 PREALARM	R	NO ACCESS
156	47-6 ALARM	R	NO ACCESS
157	81-1 BLOCK	R	NO ACCESS
158	81-1 PICKUP	R	NO ACCESS
159	81-1 TRIP	R	NO ACCESS
160	81-1 PREALARM	R	NO ACCESS
161	81-1 ALARM	R	NO ACCESS
162	81-2 BLOCK	R	NO ACCESS
163	81-2 PICKUP	R	NO ACCESS
164	81-2 TRIP	R	NO ACCESS
165	81-2 PREALARM	R	NO ACCESS
166	81-2 ALARM	R	NO ACCESS
167	81-3 BLOCK	R	NO ACCESS
168	81-3 PICKUP	R	NO ACCESS
169	81-3 TRIP	R	NO ACCESS
170	81-3 PREALARM	R	NO ACCESS
171	81-3 ALARM	R	NO ACCESS
172	81-4 BLOCK	R	NO ACCESS
173	81-4 PICKUP	R	NO ACCESS
174	81-4 TRIP	R	NO ACCESS
175	81-4 PREALARM	R	NO ACCESS
176	81-4 ALARM	R	NO ACCESS
177	81-5 BLOCK	R	NO ACCESS
178	81-5 PICKUP	R	NO ACCESS
179	81-5 TRIP	R	NO ACCESS
180	81-5 PREALARM	R	NO ACCESS
181	81-5 ALARM	R	NO ACCESS
182	81-6 BLOCK	R	NO ACCESS
183	81-6 PICKUP	R	NO ACCESS
184	81-6 TRIP	R	NO ACCESS
185	81-6 PREALARM	R	NO ACCESS
186	81-6 ALARM	R	NO ACCESS
187	81-7 BLOCK	R	NO ACCESS
188	81-7 PICKUP	R	NO ACCESS
189	81-7 TRIP	R	NO ACCESS
190	81-7 PREALARM	R	NO ACCESS
191	81-7 ALARM	R	NO ACCESS
192	81-8 BLOCK	R	NO ACCESS
193	81-8 PICKUP	R	NO ACCESS
194	81-8 TRIP	R	NO ACCESS
195	81-8 PREALARM	R	NO ACCESS
196	81-8 ALARM	R	NO ACCESS
197	40Q-1 BLOCK	R	NO ACCESS
198	40Q-1 PICKUP	R	NO ACCESS
199	40Q-1 TRIP	R	NO ACCESS
200	40Q-1 PREALARM	R	NO ACCESS
201	40Q-1 ALARM	R	NO ACCESS
202	40Q-2 BLOCK	R	NO ACCESS
203	40Q-2 PICKUP	R	NO ACCESS
204	40Q-2 TRIP	R	NO ACCESS
205	40Q-2 PREALARM	R	NO ACCESS
206	40Q-2 ALARM	R	NO ACCESS
207	32-1 BLOCK	R	NO ACCESS
208	32-1 PICKUP	R	NO ACCESS
209	32-1 TRIP	R	NO ACCESS
210	32-1 PREALARM	R	NO ACCESS
211	32-1 ALARM	R	NO ACCESS
212	32-2 BLOCK	R	NO ACCESS
213	32-2 PICKUP	R	NO ACCESS
214	32-2 TRIP	R	NO ACCESS
215	32-2 PREALARM	R	NO ACCESS
216	32-2 ALARM	R	NO ACCESS
217	32-3 BLOCK	R	NO ACCESS
218	32-3 PICKUP	R	NO ACCESS
219	32-3 TRIP	R	NO ACCESS
220	32-3 PREALARM	R	NO ACCESS
221	32-3 ALARM	R	NO ACCESS
222	32-4 BLOCK	R	NO ACCESS
223	32-4 PICKUP	R	NO ACCESS
224	32-4 TRIP	R	NO ACCESS
225	32-4 PREALARM	R	NO ACCESS
226	32-4 ALARM	R	NO ACCESS
227	32-5 BLOCK	R	NO ACCESS
228	32-5 PICKUP	R	NO ACCESS
229	32-5 TRIP	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
230	32-5 PREALARM	R	NO ACCESS
231	32-5 ALARM	R	NO ACCESS
232	32-6 BLOCK	R	NO ACCESS
233	32-6 PICKUP	R	NO ACCESS
234	32-6 TRIP	R	NO ACCESS
235	32-6 PREALARM	R	NO ACCESS
236	32-6 ALARM	R	NO ACCESS
237	51-1 BLOCK	R	NO ACCESS
238	51-1 PICKUP	R	NO ACCESS
239	51-1 TRIP	R	NO ACCESS
240	51-1 PREALARM	R	NO ACCESS
241	51-1 ALARM	R	NO ACCESS
242	51-2 BLOCK	R	NO ACCESS
243	51-2 PICKUP	R	NO ACCESS
244	51-2 TRIP	R	NO ACCESS
245	51-2 PREALARM	R	NO ACCESS
246	51-2 ALARM	R	NO ACCESS
247	51-3 BLOCK	R	NO ACCESS
248	51-3 PICKUP	R	NO ACCESS
249	51-3 TRIP	R	NO ACCESS
250	51-3 PREALARM	R	NO ACCESS
251	51-3 ALARM	R	NO ACCESS
252	51-4 BLOCK	R	NO ACCESS
253	51-4 PICKUP	R	NO ACCESS
254	51-4 TRIP	R	NO ACCESS
255	51-4 PREALARM	R	NO ACCESS
256	51-4 ALARM	R	NO ACCESS
257	51-5 BLOCK	R	NO ACCESS
258	51-5 PICKUP	R	NO ACCESS
259	51-5 TRIP	R	NO ACCESS
260	51-5 PREALARM	R	NO ACCESS
261	51-5 ALARM	R	NO ACCESS
262	51-6 BLOCK	R	NO ACCESS
263	51-6 PICKUP	R	NO ACCESS
264	51-6 TRIP	R	NO ACCESS
265	51-6 PREALARM	R	NO ACCESS
266	51-6 ALARM	R	NO ACCESS
267	78-1 BLOCK	R	NO ACCESS
268	78-1 PICKUP	R	NO ACCESS
269	78-1 TRIP	R	NO ACCESS
270	78-1 PREALARM	R	NO ACCESS
271	78-1 ALARM	R	NO ACCESS
272	78-2 BLOCK	R	NO ACCESS
273	78-2 PICKUP	R	NO ACCESS
274	78-2 TRIP	R	NO ACCESS
275	78-2 PREALARM	R	NO ACCESS
276	78-2 ALARM	R	NO ACCESS
277	BATTERYVOLTAGEPROTECTION WEAKBATTERYPREALARM	R	NO ACCESS
278	BATTERYVOLTAGEPROTECTION LOWBATTERYVOLTAGEPREALARM	R	NO ACCESS
279	BATTERYVOLTAGEPROTECTION BATTERYOVERVOLTAGEPREALARM	R	NO ACCESS
280	OILPRESSUREPROTECTION LOWOILPRESSUREALARM	R	NO ACCESS
281	OILPRESSUREPROTECTION LOWOILPRESSUREPREALARM	R	NO ACCESS
282	COOLANTTEMPERATUREPROTECTION HIGHCOOLANTTEMPALARM	R	NO ACCESS
283	COOLANTTEMPERATUREPROTECTION HIGHCOOLANTTEMPPPREALARM	R	NO ACCESS
284	COOLANTTEMPERATUREPROTECTION LOWCOOLANTTEMPPPREALARM	R	NO ACCESS
285	FUELLEVELPROTECTION LOWFUELALARM	R	NO ACCESS
286	FUELLEVELPROTECTION LOWFUELPREALARM	R	NO ACCESS
287	FUELLEVELPROTECTION HIGHFUELPREALARM	R	NO ACCESS
288	OVERSPEEDPROTECTION OVERSPEEDALARM	R	NO ACCESS
289	COOLANTLEVELPROTECTION LOWCOOLANTLEVELALARM	R	NO ACCESS
290	COOLANTLEVELPROTECTION LOWCOOLANTLEVELPREALARM	R	NO ACCESS
291	COOLANTLEVELPROTECTION COOLANTLEVELSENDERFAILALARM	R	NO ACCESS
292	ENGINE_SOURCE_SPEED_SF_ALARM	R	NO ACCESS
293	ENGINE_SOURCE_UNEXPECTED_SHUTDOWN_ALARM	R	NO ACCESS
294	ENGINE_SOURCE_MPUFAILPREALARM	R	NO ACCESS
295	CONFIGPROT1 CONFPROTTHRESH1TRIP	R	NO ACCESS
296	CONFIGPROT1 CONFPROTTHRESH1PREALARM	R	NO ACCESS
297	CONFIGPROT1 CONFPROTTHRESH1ALARM	R	NO ACCESS
298	CONFIGPROT1 CONFPROTTHRESH2TRIP	R	NO ACCESS
299	CONFIGPROT1 CONFPROTTHRESH2PREALARM	R	NO ACCESS
300	CONFIGPROT1 CONFPROTTHRESH2ALARM	R	NO ACCESS
301	CONFIGPROT1 CONFPROTTHRESH3TRIP	R	NO ACCESS
302	CONFIGPROT1 CONFPROTTHRESH3PREALARM	R	NO ACCESS
303	CONFIGPROT1 CONFPROTTHRESH3ALARM	R	NO ACCESS
304	CONFIGPROT1 CONFPROTTHRESH4TRIP	R	NO ACCESS
305	CONFIGPROT1 CONFPROTTHRESH4PREALARM	R	NO ACCESS
306	CONFIGPROT1 CONFPROTTHRESH4ALARM	R	NO ACCESS
307	CONFIGPROT2 CONFPROTTHRESH1TRIP	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
308	CONFIGPROT2 CONFPROTTHRESH1PREALARM	R	NO ACCESS
309	CONFIGPROT2 CONFPROTTHRESH1ALARM	R	NO ACCESS
310	CONFIGPROT2 CONFPROTTHRESH2TRIP	R	NO ACCESS
311	CONFIGPROT2 CONFPROTTHRESH2PREALARM	R	NO ACCESS
312	CONFIGPROT2 CONFPROTTHRESH2ALARM	R	NO ACCESS
313	CONFIGPROT2 CONFPROTTHRESH3TRIP	R	NO ACCESS
314	CONFIGPROT2 CONFPROTTHRESH3PREALARM	R	NO ACCESS
315	CONFIGPROT2 CONFPROTTHRESH3ALARM	R	NO ACCESS
316	CONFIGPROT2 CONFPROTTHRESH4TRIP	R	NO ACCESS
317	CONFIGPROT2 CONFPROTTHRESH4PREALARM	R	NO ACCESS
318	CONFIGPROT2 CONFPROTTHRESH4ALARM	R	NO ACCESS
319	CONFIGPROT3 CONFPROTTHRESH1TRIP	R	NO ACCESS
320	CONFIGPROT3 CONFPROTTHRESH1PREALARM	R	NO ACCESS
321	CONFIGPROT3 CONFPROTTHRESH1ALARM	R	NO ACCESS
322	CONFIGPROT3 CONFPROTTHRESH2TRIP	R	NO ACCESS
323	CONFIGPROT3 CONFPROTTHRESH2PREALARM	R	NO ACCESS
324	CONFIGPROT3 CONFPROTTHRESH2ALARM	R	NO ACCESS
325	CONFIGPROT3 CONFPROTTHRESH3TRIP	R	NO ACCESS
326	CONFIGPROT3 CONFPROTTHRESH3PREALARM	R	NO ACCESS
327	CONFIGPROT3 CONFPROTTHRESH3ALARM	R	NO ACCESS
328	CONFIGPROT3 CONFPROTTHRESH4TRIP	R	NO ACCESS
329	CONFIGPROT3 CONFPROTTHRESH4PREALARM	R	NO ACCESS
330	CONFIGPROT3 CONFPROTTHRESH4ALARM	R	NO ACCESS
331	CONFIGPROT4 CONFPROTTHRESH1TRIP	R	NO ACCESS
332	CONFIGPROT4 CONFPROTTHRESH1PREALARM	R	NO ACCESS
333	CONFIGPROT4 CONFPROTTHRESH1ALARM	R	NO ACCESS
334	CONFIGPROT4 CONFPROTTHRESH2TRIP	R	NO ACCESS
335	CONFIGPROT4 CONFPROTTHRESH2PREALARM	R	NO ACCESS
336	CONFIGPROT4 CONFPROTTHRESH2ALARM	R	NO ACCESS
337	CONFIGPROT4 CONFPROTTHRESH3TRIP	R	NO ACCESS
338	CONFIGPROT4 CONFPROTTHRESH3PREALARM	R	NO ACCESS
339	CONFIGPROT4 CONFPROTTHRESH3ALARM	R	NO ACCESS
340	CONFIGPROT4 CONFPROTTHRESH4TRIP	R	NO ACCESS
341	CONFIGPROT4 CONFPROTTHRESH4PREALARM	R	NO ACCESS
342	CONFIGPROT4 CONFPROTTHRESH4ALARM	R	NO ACCESS
343	CONFIGPROT5 CONFPROTTHRESH1TRIP	R	NO ACCESS
344	CONFIGPROT5 CONFPROTTHRESH1PREALARM	R	NO ACCESS
345	CONFIGPROT5 CONFPROTTHRESH1ALARM	R	NO ACCESS
346	CONFIGPROT5 CONFPROTTHRESH2TRIP	R	NO ACCESS
347	CONFIGPROT5 CONFPROTTHRESH2PREALARM	R	NO ACCESS
348	CONFIGPROT5 CONFPROTTHRESH2ALARM	R	NO ACCESS
349	CONFIGPROT5 CONFPROTTHRESH3TRIP	R	NO ACCESS
350	CONFIGPROT5 CONFPROTTHRESH3PREALARM	R	NO ACCESS
351	CONFIGPROT5 CONFPROTTHRESH3ALARM	R	NO ACCESS
352	CONFIGPROT5 CONFPROTTHRESH4TRIP	R	NO ACCESS
353	CONFIGPROT5 CONFPROTTHRESH4PREALARM	R	NO ACCESS
354	CONFIGPROT5 CONFPROTTHRESH4ALARM	R	NO ACCESS
355	CONFIGPROT6 CONFPROTTHRESH1TRIP	R	NO ACCESS
356	CONFIGPROT6 CONFPROTTHRESH1PREALARM	R	NO ACCESS
357	CONFIGPROT6 CONFPROTTHRESH1ALARM	R	NO ACCESS
358	CONFIGPROT6 CONFPROTTHRESH2TRIP	R	NO ACCESS
359	CONFIGPROT6 CONFPROTTHRESH2PREALARM	R	NO ACCESS
360	CONFIGPROT6 CONFPROTTHRESH2ALARM	R	NO ACCESS
361	CONFIGPROT6 CONFPROTTHRESH3TRIP	R	NO ACCESS
362	CONFIGPROT6 CONFPROTTHRESH3PREALARM	R	NO ACCESS
363	CONFIGPROT6 CONFPROTTHRESH3ALARM	R	NO ACCESS
364	CONFIGPROT6 CONFPROTTHRESH4TRIP	R	NO ACCESS
365	CONFIGPROT6 CONFPROTTHRESH4PREALARM	R	NO ACCESS
366	CONFIGPROT6 CONFPROTTHRESH4ALARM	R	NO ACCESS
367	CONFIGPROT7 CONFPROTTHRESH1TRIP	R	NO ACCESS
368	CONFIGPROT7 CONFPROTTHRESH1PREALARM	R	NO ACCESS
369	CONFIGPROT7 CONFPROTTHRESH1ALARM	R	NO ACCESS
370	CONFIGPROT7 CONFPROTTHRESH2TRIP	R	NO ACCESS
371	CONFIGPROT7 CONFPROTTHRESH2PREALARM	R	NO ACCESS
372	CONFIGPROT7 CONFPROTTHRESH2ALARM	R	NO ACCESS
373	CONFIGPROT7 CONFPROTTHRESH3TRIP	R	NO ACCESS
374	CONFIGPROT7 CONFPROTTHRESH3PREALARM	R	NO ACCESS
375	CONFIGPROT7 CONFPROTTHRESH3ALARM	R	NO ACCESS
376	CONFIGPROT7 CONFPROTTHRESH4TRIP	R	NO ACCESS
377	CONFIGPROT7 CONFPROTTHRESH4PREALARM	R	NO ACCESS
378	CONFIGPROT7 CONFPROTTHRESH4ALARM	R	NO ACCESS
379	CONFIGPROT8 CONFPROTTHRESH1TRIP	R	NO ACCESS
380	CONFIGPROT8 CONFPROTTHRESH1PREALARM	R	NO ACCESS
381	CONFIGPROT8 CONFPROTTHRESH1ALARM	R	NO ACCESS
382	CONFIGPROT8 CONFPROTTHRESH2TRIP	R	NO ACCESS
383	CONFIGPROT8 CONFPROTTHRESH2PREALARM	R	NO ACCESS
384	CONFIGPROT8 CONFPROTTHRESH2ALARM	R	NO ACCESS
385	CONFIGPROT8 CONFPROTTHRESH3TRIP	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
386	CONFIGPROT8 CONFPROTTHRESH3PREALARM	R	NO ACCESS
387	CONFIGPROT8 CONFPROTTHRESH3ALARM	R	NO ACCESS
388	CONFIGPROT8 CONFPROTTHRESH4TRIP	R	NO ACCESS
389	CONFIGPROT8 CONFPROTTHRESH4PREALARM	R	NO ACCESS
390	CONFIGPROT8 CONFPROTTHRESH4ALARM	R	NO ACCESS
391	AEM1 CONNECTED	R	NO ACCESS
392	AEM1 COMMS FAILURE	R	NO ACCESS
393	AEM1 DUP AEM	R	NO ACCESS
394	AEM1 INPUT 1 OUT OF RANGE	R	NO ACCESS
395	AEM1 INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
396	AEM1 INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
397	AEM1 INPUT 2 OUT OF RANGE	R	NO ACCESS
398	AEM1 INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
399	AEM1 INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
400	AEM1 INPUT 3 OUT OF RANGE	R	NO ACCESS
401	AEM1 INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
402	AEM1 INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
403	AEM1 INPUT 4 OUT OF RANGE	R	NO ACCESS
404	AEM1 INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
405	AEM1 INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
406	AEM1 INPUT 5 OUT OF RANGE	R	NO ACCESS
407	AEM1 INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
408	AEM1 INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
409	AEM1 INPUT 6 OUT OF RANGE	R	NO ACCESS
410	AEM1 INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
411	AEM1 INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS
412	AEM1 INPUT 7 OUT OF RANGE	R	NO ACCESS
413	AEM1 INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS
414	AEM1 INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
415	AEM1 INPUT 8 OUT OF RANGE	R	NO ACCESS
416	AEM1 INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
417	AEM1 INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
418	AEM1 RTD INPUT 1 OUT OF RANGE	R	NO ACCESS
419	AEM1 RTD INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
420	AEM1 RTD INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
421	AEM1 RTD INPUT 2 OUT OF RANGE	R	NO ACCESS
422	AEM1 RTD INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
423	AEM1 RTD INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
424	AEM1 RTD INPUT 3 OUT OF RANGE	R	NO ACCESS
425	AEM1 RTD INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
426	AEM1 RTD INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
427	AEM1 RTD INPUT 4 OUT OF RANGE	R	NO ACCESS
428	AEM1 RTD INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
429	AEM1 RTD INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
430	AEM1 RTD INPUT 5 OUT OF RANGE	R	NO ACCESS
431	AEM1 RTD INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
432	AEM1 RTD INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
433	AEM1 RTD INPUT 6 OUT OF RANGE	R	NO ACCESS
434	AEM1 RTD INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
435	AEM1 RTD INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS
436	AEM1 RTD INPUT 7 OUT OF RANGE	R	NO ACCESS
437	AEM1 RTD INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS
438	AEM1 RTD INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
439	AEM1 RTD INPUT 8 OUT OF RANGE	R	NO ACCESS
440	AEM1 RTD INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
441	AEM1 RTD INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
442	AEM1 THERMAL COUPLE 1 OUT OF RANGE	R	NO ACCESS
443	AEM1 THERMAL COUPLE 1 OUT OF RANGE PREALARM	R	NO ACCESS
444	AEM1 THERMAL COUPLE 1 OUT OF RANGE ALARM	R	NO ACCESS
445	AEM1 THERMAL COUPLE 2 OUT OF RANGE	R	NO ACCESS
446	AEM1 THERMAL COUPLE 2 OUT OF RANGE PREALARM	R	NO ACCESS
447	AEM1 THERMAL COUPLE 2 OUT OF RANGE ALARM	R	NO ACCESS
448	AEM1 OUTPUT 1 OUT OF RANGE	R	NO ACCESS
449	AEM1 OUTPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
450	AEM1 OUTPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
451	AEM1 OUTPUT 2 OUT OF RANGE	R	NO ACCESS
452	AEM1 OUTPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
453	AEM1 OUTPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
454	AEM1 OUTPUT 3 OUT OF RANGE	R	NO ACCESS
455	AEM1 OUTPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
456	AEM1 OUTPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
457	AEM1 OUTPUT 4 OUT OF RANGE	R	NO ACCESS
458	AEM1 OUTPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
459	AEM1 OUTPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
460	AEM1 NOT CONFIGURED PA	R	NO ACCESS
461	AEM 1 PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
462	AEM 1 PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
463	AEM 1 PROTECTION 1 THRESH1 ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
464	AEM 1 PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
465	AEM 1 PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
466	AEM 1 PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
467	AEM 1 PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
468	AEM 1 PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
469	AEM 1 PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
470	AEM 1 PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
471	AEM 1 PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
472	AEM 1 PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
473	AEM 1 PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
474	AEM 1 PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
475	AEM 1 PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
476	AEM 1 PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
477	AEM 1 PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
478	AEM 1 PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
479	AEM 1 PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
480	AEM 1 PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
481	AEM 1 PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
482	AEM 1 PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
483	AEM 1 PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
484	AEM 1 PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
485	AEM 1 PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
486	AEM 1 PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
487	AEM 1 PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
488	AEM 1 PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
489	AEM 1 PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS
490	AEM 1 PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
491	AEM 1 PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
492	AEM 1 PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
493	AEM 1 PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
494	AEM 1 PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
495	AEM 1 PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
496	AEM 1 PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
497	AEM 1 PROTECTION 4 THRESH1 TRIP	R	NO ACCESS
498	AEM 1 PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
499	AEM 1 PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
500	AEM 1 PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
501	AEM 1 PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS
502	AEM 1 PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
503	AEM 1 PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
504	AEM 1 PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
505	AEM 1 PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
506	AEM 1 PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
507	AEM 1 PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
508	AEM 1 PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
509	AEM 1 PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
510	AEM 1 PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
511	AEM 1 PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
512	AEM 1 PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
513	AEM 1 PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
514	AEM 1 PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
515	AEM 1 PROTECTION 5 THRESH3 TRIP	R	NO ACCESS
516	AEM 1 PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
517	AEM 1 PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
518	AEM 1 PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
519	AEM 1 PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
520	AEM 1 PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
521	AEM 1 PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
522	AEM 1 PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
523	AEM 1 PROTECTION 6 THRESH1 ALARM	R	NO ACCESS
524	AEM 1 PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
525	AEM 1 PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
526	AEM 1 PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
527	AEM 1 PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
528	AEM 1 PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
529	AEM 1 PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
530	AEM 1 PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
531	AEM 1 PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
532	AEM 1 PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
533	AEM 1 PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
534	AEM 1 PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
535	AEM 1 PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
536	AEM 1 PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
537	AEM 1 PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
538	AEM 1 PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
539	AEM 1 PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
540	AEM 1 PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
541	AEM 1 PROTECTION 7 THRESH3 ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
542	AEM 1 PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
543	AEM 1 PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
544	AEM 1 PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
545	AEM 1 PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
546	AEM 1 PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
547	AEM 1 PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
548	AEM 1 PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
549	AEM 1 PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS
550	AEM 1 PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
551	AEM 1 PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
552	AEM 1 PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
553	AEM 1 PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
554	AEM 1 PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
555	AEM 1 PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
556	AEM 1 PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
557	AEM 1 RTD PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
558	AEM 1 RTD PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
559	AEM 1 RTD PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
560	AEM 1 RTD PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
561	AEM 1 RTD PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
562	AEM 1 RTD PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
563	AEM 1 RTD PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
564	AEM 1 RTD PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
565	AEM 1 RTD PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
566	AEM 1 RTD PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
567	AEM 1 RTD PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
568	AEM 1 RTD PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
569	AEM 1 RTD PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
570	AEM 1 RTD PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
571	AEM 1 RTD PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
572	AEM 1 RTD PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
573	AEM 1 RTD PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
574	AEM 1 RTD PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
575	AEM 1 RTD PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
576	AEM 1 RTD PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
577	AEM 1 RTD PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
578	AEM 1 RTD PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
579	AEM 1 RTD PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
580	AEM 1 RTD PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
581	AEM 1 RTD PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
582	AEM 1 RTD PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
583	AEM 1 RTD PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
584	AEM 1 RTD PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
585	AEM 1 RTD PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS
586	AEM 1 RTD PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
587	AEM 1 RTD PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
588	AEM 1 RTD PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
589	AEM 1 RTD PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
590	AEM 1 RTD PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
591	AEM 1 RTD PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
592	AEM 1 RTD PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
593	AEM 1 RTD PROTECTION 4 THRESH1 TRIP	R	NO ACCESS
594	AEM 1 RTD PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
595	AEM 1 RTD PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
596	AEM 1 RTD PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
597	AEM 1 RTD PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS
598	AEM 1 RTD PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
599	AEM 1 RTD PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
600	AEM 1 RTD PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
601	AEM 1 RTD PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
602	AEM 1 RTD PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
603	AEM 1 RTD PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
604	AEM 1 RTD PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
605	AEM 1 RTD PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
606	AEM 1 RTD PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
607	AEM 1 RTD PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
608	AEM 1 RTD PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
609	AEM 1 RTD PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
610	AEM 1 RTD PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
611	AEM 1 RTD PROTECTION 5 THRESH3 TRIP	R	NO ACCESS
612	AEM 1 RTD PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
613	AEM 1 RTD PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
614	AEM 1 RTD PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
615	AEM 1 RTD PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
616	AEM 1 RTD PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
617	AEM 1 RTD PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
618	AEM 1 RTD PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
619	AEM 1 RTD PROTECTION 6 THRESH1 ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
620	AEM 1 RTD PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
621	AEM 1 RTD PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
622	AEM 1 RTD PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
623	AEM 1 RTD PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
624	AEM 1 RTD PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
625	AEM 1 RTD PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
626	AEM 1 RTD PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
627	AEM 1 RTD PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
628	AEM 1 RTD PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
629	AEM 1 RTD PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
630	AEM 1 RTD PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
631	AEM 1 RTD PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
632	AEM 1 RTD PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
633	AEM 1 RTD PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
634	AEM 1 RTD PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
635	AEM 1 RTD PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
636	AEM 1 RTD PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
637	AEM 1 RTD PROTECTION 7 THRESH3 ALARM	R	NO ACCESS
638	AEM 1 RTD PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
639	AEM 1 RTD PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
640	AEM 1 RTD PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
641	AEM 1 RTD PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
642	AEM 1 RTD PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
643	AEM 1 RTD PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
644	AEM 1 RTD PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
645	AEM 1 RTD PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS
646	AEM 1 RTD PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
647	AEM 1 RTD PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
648	AEM 1 RTD PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
649	AEM 1 RTD PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
650	AEM 1 RTD PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
651	AEM 1 RTD PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
652	AEM 1 RTD PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
653	AEM 1 THERM PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
654	AEM 1 THERM PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
655	AEM 1 THERM PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
656	AEM 1 THERM PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
657	AEM 1 THERM PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
658	AEM 1 THERM PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
659	AEM 1 THERM PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
660	AEM 1 THERM PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
661	AEM 1 THERM PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
662	AEM 1 THERM PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
663	AEM 1 THERM PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
664	AEM 1 THERM PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
665	AEM 1 THERM PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
666	AEM 1 THERM PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
667	AEM 1 THERM PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
668	AEM 1 THERM PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
669	AEM 1 THERM PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
670	AEM 1 THERM PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
671	AEM 1 THERM PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
672	AEM 1 THERM PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
673	AEM 1 THERM PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
674	AEM 1 THERM PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
675	AEM 1 THERM PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
676	AEM 1 THERM PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
677	AEM2 CONNECTED	R	NO ACCESS
678	AEM2 COMMS FAILURE	R	NO ACCESS
679	AEM2 DUP AEM	R	NO ACCESS
680	AEM2 INPUT 1 OUT OF RANGE	R	NO ACCESS
681	AEM2 INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
682	AEM2 INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
683	AEM2 INPUT 2 OUT OF RANGE	R	NO ACCESS
684	AEM2 INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
685	AEM2 INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
686	AEM2 INPUT 3 OUT OF RANGE	R	NO ACCESS
687	AEM2 INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
688	AEM2 INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
689	AEM2 INPUT 4 OUT OF RANGE	R	NO ACCESS
690	AEM2 INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
691	AEM2 INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
692	AEM2 INPUT 5 OUT OF RANGE	R	NO ACCESS
693	AEM2 INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
694	AEM2 INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
695	AEM2 INPUT 6 OUT OF RANGE	R	NO ACCESS
696	AEM2 INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
697	AEM2 INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
698	AEM2 INPUT 7 OUT OF RANGE	R	NO ACCESS
699	AEM2 INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS
700	AEM2 INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
701	AEM2 INPUT 8 OUT OF RANGE	R	NO ACCESS
702	AEM2 INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
703	AEM2 INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
704	AEM2 RTD INPUT 1 OUT OF RANGE	R	NO ACCESS
705	AEM2 RTD INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
706	AEM2 RTD INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
707	AEM2 RTD INPUT 2 OUT OF RANGE	R	NO ACCESS
708	AEM2 RTD INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
709	AEM2 RTD INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
710	AEM2 RTD INPUT 3 OUT OF RANGE	R	NO ACCESS
711	AEM2 RTD INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
712	AEM2 RTD INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
713	AEM2 RTD INPUT 4 OUT OF RANGE	R	NO ACCESS
714	AEM2 RTD INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
715	AEM2 RTD INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
716	AEM2 RTD INPUT 5 OUT OF RANGE	R	NO ACCESS
717	AEM2 RTD INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
718	AEM2 RTD INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
719	AEM2 RTD INPUT 6 OUT OF RANGE	R	NO ACCESS
720	AEM2 RTD INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
721	AEM2 RTD INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS
722	AEM2 RTD INPUT 7 OUT OF RANGE	R	NO ACCESS
723	AEM2 RTD INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS
724	AEM2 RTD INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
725	AEM2 RTD INPUT 8 OUT OF RANGE	R	NO ACCESS
726	AEM2 RTD INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
727	AEM2 RTD INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
728	AEM2 THERMAL COUPLE 1 OUT OF RANGE	R	NO ACCESS
729	AEM2 THERMAL COUPLE 1 OUT OF RANGE PREALARM	R	NO ACCESS
730	AEM2 THERMAL COUPLE 1 OUT OF RANGE ALARM	R	NO ACCESS
731	AEM2 THERMAL COUPLE 2 OUT OF RANGE	R	NO ACCESS
732	AEM2 THERMAL COUPLE 2 OUT OF RANGE PREALARM	R	NO ACCESS
733	AEM2 THERMAL COUPLE 2 OUT OF RANGE ALARM	R	NO ACCESS
734	AEM2 OUTPUT 1 OUT OF RANGE	R	NO ACCESS
735	AEM2 OUTPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
736	AEM2 OUTPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
737	AEM2 OUTPUT 2 OUT OF RANGE	R	NO ACCESS
738	AEM2 OUTPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
739	AEM2 OUTPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
740	AEM2 OUTPUT 3 OUT OF RANGE	R	NO ACCESS
741	AEM2 OUTPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
742	AEM2 OUTPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
743	AEM2 OUTPUT 4 OUT OF RANGE	R	NO ACCESS
744	AEM2 OUTPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
745	AEM2 OUTPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
746	AEM2 NOT CONFIGURED PA	R	NO ACCESS
747	AEM 2 PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
748	AEM 2 PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
749	AEM 2 PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
750	AEM 2 PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
751	AEM 2 PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
752	AEM 2 PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
753	AEM 2 PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
754	AEM 2 PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
755	AEM 2 PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
756	AEM 2 PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
757	AEM 2 PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
758	AEM 2 PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
759	AEM 2 PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
760	AEM 2 PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
761	AEM 2 PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
762	AEM 2 PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
763	AEM 2 PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
764	AEM 2 PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
765	AEM 2 PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
766	AEM 2 PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
767	AEM 2 PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
768	AEM 2 PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
769	AEM 2 PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
770	AEM 2 PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
771	AEM 2 PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
772	AEM 2 PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
773	AEM 2 PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
774	AEM 2 PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
775	AEM 2 PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
776	AEM 2 PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
777	AEM 2 PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
778	AEM 2 PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
779	AEM 2 PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
780	AEM 2 PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
781	AEM 2 PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
782	AEM 2 PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
783	AEM 2 PROTECTION 4 THRESH1 TRIP	R	NO ACCESS
784	AEM 2 PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
785	AEM 2 PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
786	AEM 2 PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
787	AEM 2 PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS
788	AEM 2 PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
789	AEM 2 PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
790	AEM 2 PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
791	AEM 2 PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
792	AEM 2 PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
793	AEM 2 PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
794	AEM 2 PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
795	AEM 2 PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
796	AEM 2 PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
797	AEM 2 PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
798	AEM 2 PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
799	AEM 2 PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
800	AEM 2 PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
801	AEM 2 PROTECTION 5 THRESH3 TRIP	R	NO ACCESS
802	AEM 2 PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
803	AEM 2 PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
804	AEM 2 PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
805	AEM 2 PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
806	AEM 2 PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
807	AEM 2 PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
808	AEM 2 PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
809	AEM 2 PROTECTION 6 THRESH1 ALARM	R	NO ACCESS
810	AEM 2 PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
811	AEM 2 PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
812	AEM 2 PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
813	AEM 2 PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
814	AEM 2 PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
815	AEM 2 PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
816	AEM 2 PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
817	AEM 2 PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
818	AEM 2 PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
819	AEM 2 PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
820	AEM 2 PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
821	AEM 2 PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
822	AEM 2 PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
823	AEM 2 PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
824	AEM 2 PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
825	AEM 2 PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
826	AEM 2 PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
827	AEM 2 PROTECTION 7 THRESH3 ALARM	R	NO ACCESS
828	AEM 2 PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
829	AEM 2 PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
830	AEM 2 PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
831	AEM 2 PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
832	AEM 2 PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
833	AEM 2 PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
834	AEM 2 PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
835	AEM 2 PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS
836	AEM 2 PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
837	AEM 2 PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
838	AEM 2 PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
839	AEM 2 PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
840	AEM 2 PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
841	AEM 2 PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
842	AEM 2 PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
843	AEM 2 RTD PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
844	AEM 2 RTD PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
845	AEM 2 RTD PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
846	AEM 2 RTD PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
847	AEM 2 RTD PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
848	AEM 2 RTD PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
849	AEM 2 RTD PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
850	AEM 2 RTD PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
851	AEM 2 RTD PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
852	AEM 2 RTD PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
853	AEM 2 RTD PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
854	AEM 2 RTD PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
855	AEM 2 RTD PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
856	AEM 2 RTD PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
857	AEM 2 RTD PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
858	AEM 2 RTD PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
859	AEM 2 RTD PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
860	AEM 2 RTD PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
861	AEM 2 RTD PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
862	AEM 2 RTD PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
863	AEM 2 RTD PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
864	AEM 2 RTD PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
865	AEM 2 RTD PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
866	AEM 2 RTD PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
867	AEM 2 RTD PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
868	AEM 2 RTD PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
869	AEM 2 RTD PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
870	AEM 2 RTD PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
871	AEM 2 RTD PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS
872	AEM 2 RTD PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
873	AEM 2 RTD PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
874	AEM 2 RTD PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
875	AEM 2 RTD PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
876	AEM 2 RTD PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
877	AEM 2 RTD PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
878	AEM 2 RTD PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
879	AEM 2 RTD PROTECTION 4 THRESH1 TRIP	R	NO ACCESS
880	AEM 2 RTD PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
881	AEM 2 RTD PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
882	AEM 2 RTD PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
883	AEM 2 RTD PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS
884	AEM 2 RTD PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
885	AEM 2 RTD PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
886	AEM 2 RTD PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
887	AEM 2 RTD PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
888	AEM 2 RTD PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
889	AEM 2 RTD PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
890	AEM 2 RTD PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
891	AEM 2 RTD PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
892	AEM 2 RTD PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
893	AEM 2 RTD PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
894	AEM 2 RTD PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
895	AEM 2 RTD PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
896	AEM 2 RTD PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
897	AEM 2 RTD PROTECTION 5 THRESH3 TRIP	R	NO ACCESS
898	AEM 2 RTD PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
899	AEM 2 RTD PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
900	AEM 2 RTD PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
901	AEM 2 RTD PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
902	AEM 2 RTD PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
903	AEM 2 RTD PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
904	AEM 2 RTD PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
905	AEM 2 RTD PROTECTION 6 THRESH1 ALARM	R	NO ACCESS
906	AEM 2 RTD PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
907	AEM 2 RTD PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
908	AEM 2 RTD PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
909	AEM 2 RTD PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
910	AEM 2 RTD PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
911	AEM 2 RTD PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
912	AEM 2 RTD PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
913	AEM 2 RTD PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
914	AEM 2 RTD PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
915	AEM 2 RTD PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
916	AEM 2 RTD PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
917	AEM 2 RTD PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
918	AEM 2 RTD PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
919	AEM 2 RTD PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
920	AEM 2 RTD PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
921	AEM 2 RTD PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
922	AEM 2 RTD PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
923	AEM 2 RTD PROTECTION 7 THRESH3 ALARM	R	NO ACCESS
924	AEM 2 RTD PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
925	AEM 2 RTD PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
926	AEM 2 RTD PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
927	AEM 2 RTD PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
928	AEM 2 RTD PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
929	AEM 2 RTD PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
930	AEM 2 RTD PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
931	AEM 2 RTD PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
932	AEM 2 RTD PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
933	AEM 2 RTD PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
934	AEM 2 RTD PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
935	AEM 2 RTD PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
936	AEM 2 RTD PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
937	AEM 2 RTD PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
938	AEM 2 RTD PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
939	AEM 2 THERM PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
940	AEM 2 THERM PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
941	AEM 2 THERM PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
942	AEM 2 THERM PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
943	AEM 2 THERM PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
944	AEM 2 THERM PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
945	AEM 2 THERM PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
946	AEM 2 THERM PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
947	AEM 2 THERM PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
948	AEM 2 THERM PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
949	AEM 2 THERM PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
950	AEM 2 THERM PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
951	AEM 2 THERM PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
952	AEM 2 THERM PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
953	AEM 2 THERM PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
954	AEM 2 THERM PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
955	AEM 2 THERM PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
956	AEM 2 THERM PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
957	AEM 2 THERM PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
958	AEM 2 THERM PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
959	AEM 2 THERM PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
960	AEM 2 THERM PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
961	AEM 2 THERM PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
962	AEM 2 THERM PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
963	AEM3 CONNECTED	R	NO ACCESS
964	AEM3 COMMS FAILURE	R	NO ACCESS
965	AEM3 DUP AEM	R	NO ACCESS
966	AEM3 INPUT 1 OUT OF RANGE	R	NO ACCESS
967	AEM3 INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
968	AEM3 INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
969	AEM3 INPUT 2 OUT OF RANGE	R	NO ACCESS
970	AEM3 INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
971	AEM3 INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
972	AEM3 INPUT 3 OUT OF RANGE	R	NO ACCESS
973	AEM3 INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
974	AEM3 INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
975	AEM3 INPUT 4 OUT OF RANGE	R	NO ACCESS
976	AEM3 INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
977	AEM3 INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
978	AEM3 INPUT 5 OUT OF RANGE	R	NO ACCESS
979	AEM3 INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
980	AEM3 INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
981	AEM3 INPUT 6 OUT OF RANGE	R	NO ACCESS
982	AEM3 INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
983	AEM3 INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS
984	AEM3 INPUT 7 OUT OF RANGE	R	NO ACCESS
985	AEM3 INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS
986	AEM3 INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
987	AEM3 INPUT 8 OUT OF RANGE	R	NO ACCESS
988	AEM3 INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
989	AEM3 INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
990	AEM3 RTD INPUT 1 OUT OF RANGE	R	NO ACCESS
991	AEM3 RTD INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
992	AEM3 RTD INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
993	AEM3 RTD INPUT 2 OUT OF RANGE	R	NO ACCESS
994	AEM3 RTD INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
995	AEM3 RTD INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
996	AEM3 RTD INPUT 3 OUT OF RANGE	R	NO ACCESS
997	AEM3 RTD INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
998	AEM3 RTD INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
999	AEM3 RTD INPUT 4 OUT OF RANGE	R	NO ACCESS
1000	AEM3 RTD INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
1001	AEM3 RTD INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
1002	AEM3 RTD INPUT 5 OUT OF RANGE	R	NO ACCESS
1003	AEM3 RTD INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
1004	AEM3 RTD INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
1005	AEM3 RTD INPUT 6 OUT OF RANGE	R	NO ACCESS
1006	AEM3 RTD INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
1007	AEM3 RTD INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS
1008	AEM3 RTD INPUT 7 OUT OF RANGE	R	NO ACCESS
1009	AEM3 RTD INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1010	AEM3 RTD INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
1011	AEM3 RTD INPUT 8 OUT OF RANGE	R	NO ACCESS
1012	AEM3 RTD INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
1013	AEM3 RTD INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
1014	AEM3 THERMAL COUPLE 1 OUT OF RANGE	R	NO ACCESS
1015	AEM3 THERMAL COUPLE 1 OUT OF RANGE PREALARM	R	NO ACCESS
1016	AEM3 THERMAL COUPLE 1 OUT OF RANGE ALARM	R	NO ACCESS
1017	AEM3 THERMAL COUPLE 2 OUT OF RANGE	R	NO ACCESS
1018	AEM3 THERMAL COUPLE 2 OUT OF RANGE PREALARM	R	NO ACCESS
1019	AEM3 THERMAL COUPLE 2 OUT OF RANGE ALARM	R	NO ACCESS
1020	AEM3 OUTPUT 1 OUT OF RANGE	R	NO ACCESS
1021	AEM3 OUTPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
1022	AEM3 OUTPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
1023	AEM3 OUTPUT 2 OUT OF RANGE	R	NO ACCESS
1024	AEM3 OUTPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
1025	AEM3 OUTPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
1026	AEM3 OUTPUT 3 OUT OF RANGE	R	NO ACCESS
1027	AEM3 OUTPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
1028	AEM3 OUTPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
1029	AEM3 OUTPUT 4 OUT OF RANGE	R	NO ACCESS
1030	AEM3 OUTPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
1031	AEM3 OUTPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
1032	AEM3 NOT CONFIGURED PA	R	NO ACCESS
1033	AEM 3 PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
1034	AEM 3 PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
1035	AEM 3 PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
1036	AEM 3 PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
1037	AEM 3 PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
1038	AEM 3 PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
1039	AEM 3 PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
1040	AEM 3 PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
1041	AEM 3 PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
1042	AEM 3 PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
1043	AEM 3 PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
1044	AEM 3 PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
1045	AEM 3 PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
1046	AEM 3 PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
1047	AEM 3 PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
1048	AEM 3 PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
1049	AEM 3 PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
1050	AEM 3 PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
1051	AEM 3 PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
1052	AEM 3 PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
1053	AEM 3 PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
1054	AEM 3 PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
1055	AEM 3 PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
1056	AEM 3 PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
1057	AEM 3 PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
1058	AEM 3 PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
1059	AEM 3 PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
1060	AEM 3 PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
1061	AEM 3 PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS
1062	AEM 3 PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
1063	AEM 3 PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
1064	AEM 3 PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
1065	AEM 3 PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
1066	AEM 3 PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
1067	AEM 3 PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
1068	AEM 3 PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
1069	AEM 3 PROTECTION 4 THRESH1 TRIP	R	NO ACCESS
1070	AEM 3 PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
1071	AEM 3 PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
1072	AEM 3 PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
1073	AEM 3 PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS
1074	AEM 3 PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
1075	AEM 3 PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
1076	AEM 3 PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
1077	AEM 3 PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
1078	AEM 3 PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
1079	AEM 3 PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
1080	AEM 3 PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
1081	AEM 3 PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
1082	AEM 3 PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
1083	AEM 3 PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
1084	AEM 3 PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
1085	AEM 3 PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
1086	AEM 3 PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
1087	AEM 3 PROTECTION 5 THRESH3 TRIP	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1088	AEM 3 PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
1089	AEM 3 PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
1090	AEM 3 PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
1091	AEM 3 PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
1092	AEM 3 PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
1093	AEM 3 PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
1094	AEM 3 PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
1095	AEM 3 PROTECTION 6 THRESH1 ALARM	R	NO ACCESS
1096	AEM 3 PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
1097	AEM 3 PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
1098	AEM 3 PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
1099	AEM 3 PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
1100	AEM 3 PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
1101	AEM 3 PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
1102	AEM 3 PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
1103	AEM 3 PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
1104	AEM 3 PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
1105	AEM 3 PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
1106	AEM 3 PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
1107	AEM 3 PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
1108	AEM 3 PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
1109	AEM 3 PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
1110	AEM 3 PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
1111	AEM 3 PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
1112	AEM 3 PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
1113	AEM 3 PROTECTION 7 THRESH3 ALARM	R	NO ACCESS
1114	AEM 3 PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
1115	AEM 3 PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
1116	AEM 3 PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
1117	AEM 3 PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
1118	AEM 3 PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
1119	AEM 3 PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
1120	AEM 3 PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
1121	AEM 3 PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS
1122	AEM 3 PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
1123	AEM 3 PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
1124	AEM 3 PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
1125	AEM 3 PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
1126	AEM 3 PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
1127	AEM 3 PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
1128	AEM 3 PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
1129	AEM 3 RTD PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
1130	AEM 3 RTD PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
1131	AEM 3 RTD PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
1132	AEM 3 RTD PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
1133	AEM 3 RTD PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
1134	AEM 3 RTD PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
1135	AEM 3 RTD PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
1136	AEM 3 RTD PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
1137	AEM 3 RTD PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
1138	AEM 3 RTD PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
1139	AEM 3 RTD PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
1140	AEM 3 RTD PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
1141	AEM 3 RTD PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
1142	AEM 3 RTD PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
1143	AEM 3 RTD PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
1144	AEM 3 RTD PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
1145	AEM 3 RTD PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
1146	AEM 3 RTD PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
1147	AEM 3 RTD PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
1148	AEM 3 RTD PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
1149	AEM 3 RTD PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
1150	AEM 3 RTD PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
1151	AEM 3 RTD PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
1152	AEM 3 RTD PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
1153	AEM 3 RTD PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
1154	AEM 3 RTD PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
1155	AEM 3 RTD PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
1156	AEM 3 RTD PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
1157	AEM 3 RTD PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS
1158	AEM 3 RTD PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
1159	AEM 3 RTD PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
1160	AEM 3 RTD PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
1161	AEM 3 RTD PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
1162	AEM 3 RTD PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
1163	AEM 3 RTD PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
1164	AEM 3 RTD PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
1165	AEM 3 RTD PROTECTION 4 THRESH1 TRIP	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1166	AEM 3 RTD PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
1167	AEM 3 RTD PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
1168	AEM 3 RTD PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
1169	AEM 3 RTD PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS
1170	AEM 3 RTD PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
1171	AEM 3 RTD PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
1172	AEM 3 RTD PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
1173	AEM 3 RTD PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
1174	AEM 3 RTD PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
1175	AEM 3 RTD PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
1176	AEM 3 RTD PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
1177	AEM 3 RTD PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
1178	AEM 3 RTD PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
1179	AEM 3 RTD PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
1180	AEM 3 RTD PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
1181	AEM 3 RTD PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
1182	AEM 3 RTD PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
1183	AEM 3 RTD PROTECTION 5 THRESH3 TRIP	R	NO ACCESS
1184	AEM 3 RTD PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
1185	AEM 3 RTD PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
1186	AEM 3 RTD PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
1187	AEM 3 RTD PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
1188	AEM 3 RTD PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
1189	AEM 3 RTD PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
1190	AEM 3 RTD PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
1191	AEM 3 RTD PROTECTION 6 THRESH1 ALARM	R	NO ACCESS
1192	AEM 3 RTD PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
1193	AEM 3 RTD PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
1194	AEM 3 RTD PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
1195	AEM 3 RTD PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
1196	AEM 3 RTD PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
1197	AEM 3 RTD PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
1198	AEM 3 RTD PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
1199	AEM 3 RTD PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
1200	AEM 3 RTD PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
1201	AEM 3 RTD PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
1202	AEM 3 RTD PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
1203	AEM 3 RTD PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
1204	AEM 3 RTD PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
1205	AEM 3 RTD PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
1206	AEM 3 RTD PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
1207	AEM 3 RTD PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
1208	AEM 3 RTD PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
1209	AEM 3 RTD PROTECTION 7 THRESH3 ALARM	R	NO ACCESS
1210	AEM 3 RTD PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
1211	AEM 3 RTD PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
1212	AEM 3 RTD PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
1213	AEM 3 RTD PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
1214	AEM 3 RTD PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
1215	AEM 3 RTD PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
1216	AEM 3 RTD PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
1217	AEM 3 RTD PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS
1218	AEM 3 RTD PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
1219	AEM 3 RTD PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
1220	AEM 3 RTD PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
1221	AEM 3 RTD PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
1222	AEM 3 RTD PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
1223	AEM 3 RTD PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
1224	AEM 3 RTD PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
1225	AEM 3 THERM PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
1226	AEM 3 THERM PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
1227	AEM 3 THERM PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
1228	AEM 3 THERM PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
1229	AEM 3 THERM PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
1230	AEM 3 THERM PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
1231	AEM 3 THERM PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
1232	AEM 3 THERM PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
1233	AEM 3 THERM PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
1234	AEM 3 THERM PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
1235	AEM 3 THERM PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
1236	AEM 3 THERM PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
1237	AEM 3 THERM PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
1238	AEM 3 THERM PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
1239	AEM 3 THERM PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
1240	AEM 3 THERM PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
1241	AEM 3 THERM PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
1242	AEM 3 THERM PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
1243	AEM 3 THERM PROTECTION 2 THRESH3 TRIP	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1244	AEM 3 THERM PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
1245	AEM 3 THERM PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
1246	AEM 3 THERM PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
1247	AEM 3 THERM PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
1248	AEM 3 THERM PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
1249	AEM4 CONNECTED	R	NO ACCESS
1250	AEM4 COMMS FAILURE	R	NO ACCESS
1251	AEM4 DUP AEM	R	NO ACCESS
1252	AEM4 INPUT 1 OUT OF RANGE	R	NO ACCESS
1253	AEM4 INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
1254	AEM4 INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
1255	AEM4 INPUT 2 OUT OF RANGE	R	NO ACCESS
1256	AEM4 INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
1257	AEM4 INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
1258	AEM4 INPUT 3 OUT OF RANGE	R	NO ACCESS
1259	AEM4 INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
1260	AEM4 INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
1261	AEM4 INPUT 4 OUT OF RANGE	R	NO ACCESS
1262	AEM4 INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
1263	AEM4 INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
1264	AEM4 INPUT 5 OUT OF RANGE	R	NO ACCESS
1265	AEM4 INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
1266	AEM4 INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
1267	AEM4 INPUT 6 OUT OF RANGE	R	NO ACCESS
1268	AEM4 INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
1269	AEM4 INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS
1270	AEM4 INPUT 7 OUT OF RANGE	R	NO ACCESS
1271	AEM4 INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS
1272	AEM4 INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
1273	AEM4 INPUT 8 OUT OF RANGE	R	NO ACCESS
1274	AEM4 INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
1275	AEM4 INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
1276	AEM4 RTD INPUT 1 OUT OF RANGE	R	NO ACCESS
1277	AEM4 RTD INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
1278	AEM4 RTD INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
1279	AEM4 RTD INPUT 2 OUT OF RANGE	R	NO ACCESS
1280	AEM4 RTD INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
1281	AEM4 RTD INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
1282	AEM4 RTD INPUT 3 OUT OF RANGE	R	NO ACCESS
1283	AEM4 RTD INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
1284	AEM4 RTD INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
1285	AEM4 RTD INPUT 4 OUT OF RANGE	R	NO ACCESS
1286	AEM4 RTD INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
1287	AEM4 RTD INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
1288	AEM4 RTD INPUT 5 OUT OF RANGE	R	NO ACCESS
1289	AEM4 RTD INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
1290	AEM4 RTD INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
1291	AEM4 RTD INPUT 6 OUT OF RANGE	R	NO ACCESS
1292	AEM4 RTD INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
1293	AEM4 RTD INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS
1294	AEM4 RTD INPUT 7 OUT OF RANGE	R	NO ACCESS
1295	AEM4 RTD INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS
1296	AEM4 RTD INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
1297	AEM4 RTD INPUT 8 OUT OF RANGE	R	NO ACCESS
1298	AEM4 RTD INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
1299	AEM4 RTD INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
1300	AEM4 THERMAL COUPLE 1 OUT OF RANGE	R	NO ACCESS
1301	AEM4 THERMAL COUPLE 1 OUT OF RANGE PREALARM	R	NO ACCESS
1302	AEM4 THERMAL COUPLE 1 OUT OF RANGE ALARM	R	NO ACCESS
1303	AEM4 THERMAL COUPLE 2 OUT OF RANGE	R	NO ACCESS
1304	AEM4 THERMAL COUPLE 2 OUT OF RANGE PREALARM	R	NO ACCESS
1305	AEM4 THERMAL COUPLE 2 OUT OF RANGE ALARM	R	NO ACCESS
1306	AEM4 OUTPUT 1 OUT OF RANGE	R	NO ACCESS
1307	AEM4 OUTPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
1308	AEM4 OUTPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
1309	AEM4 OUTPUT 2 OUT OF RANGE	R	NO ACCESS
1310	AEM4 OUTPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
1311	AEM4 OUTPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
1312	AEM4 OUTPUT 3 OUT OF RANGE	R	NO ACCESS
1313	AEM4 OUTPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
1314	AEM4 OUTPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
1315	AEM4 OUTPUT 4 OUT OF RANGE	R	NO ACCESS
1316	AEM4 OUTPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
1317	AEM4 OUTPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
1318	AEM4 NOT CONFIGURED PA	R	NO ACCESS
1319	AEM 4 PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
1320	AEM 4 PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
1321	AEM 4 PROTECTION 1 THRESH1 ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1322	AEM 4 PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
1323	AEM 4 PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
1324	AEM 4 PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
1325	AEM 4 PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
1326	AEM 4 PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
1327	AEM 4 PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
1328	AEM 4 PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
1329	AEM 4 PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
1330	AEM 4 PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
1331	AEM 4 PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
1332	AEM 4 PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
1333	AEM 4 PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
1334	AEM 4 PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
1335	AEM 4 PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
1336	AEM 4 PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
1337	AEM 4 PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
1338	AEM 4 PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
1339	AEM 4 PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
1340	AEM 4 PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
1341	AEM 4 PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
1342	AEM 4 PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
1343	AEM 4 PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
1344	AEM 4 PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
1345	AEM 4 PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
1346	AEM 4 PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
1347	AEM 4 PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS
1348	AEM 4 PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
1349	AEM 4 PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
1350	AEM 4 PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
1351	AEM 4 PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
1352	AEM 4 PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
1353	AEM 4 PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
1354	AEM 4 PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
1355	AEM 4 PROTECTION 4 THRESH1 TRIP	R	NO ACCESS
1356	AEM 4 PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
1357	AEM 4 PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
1358	AEM 4 PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
1359	AEM 4 PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS
1360	AEM 4 PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
1361	AEM 4 PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
1362	AEM 4 PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
1363	AEM 4 PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
1364	AEM 4 PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
1365	AEM 4 PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
1366	AEM 4 PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
1367	AEM 4 PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
1368	AEM 4 PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
1369	AEM 4 PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
1370	AEM 4 PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
1371	AEM 4 PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
1372	AEM 4 PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
1373	AEM 4 PROTECTION 5 THRESH3 TRIP	R	NO ACCESS
1374	AEM 4 PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
1375	AEM 4 PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
1376	AEM 4 PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
1377	AEM 4 PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
1378	AEM 4 PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
1379	AEM 4 PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
1380	AEM 4 PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
1381	AEM 4 PROTECTION 6 THRESH1 ALARM	R	NO ACCESS
1382	AEM 4 PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
1383	AEM 4 PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
1384	AEM 4 PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
1385	AEM 4 PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
1386	AEM 4 PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
1387	AEM 4 PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
1388	AEM 4 PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
1389	AEM 4 PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
1390	AEM 4 PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
1391	AEM 4 PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
1392	AEM 4 PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
1393	AEM 4 PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
1394	AEM 4 PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
1395	AEM 4 PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
1396	AEM 4 PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
1397	AEM 4 PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
1398	AEM 4 PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
1399	AEM 4 PROTECTION 7 THRESH3 ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1400	AEM 4 PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
1401	AEM 4 PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
1402	AEM 4 PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
1403	AEM 4 PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
1404	AEM 4 PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
1405	AEM 4 PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
1406	AEM 4 PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
1407	AEM 4 PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS
1408	AEM 4 PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
1409	AEM 4 PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
1410	AEM 4 PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
1411	AEM 4 PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
1412	AEM 4 PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
1413	AEM 4 PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
1414	AEM 4 PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
1415	AEM 4 RTD PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
1416	AEM 4 RTD PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
1417	AEM 4 RTD PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
1418	AEM 4 RTD PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
1419	AEM 4 RTD PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
1420	AEM 4 RTD PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
1421	AEM 4 RTD PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
1422	AEM 4 RTD PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
1423	AEM 4 RTD PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
1424	AEM 4 RTD PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
1425	AEM 4 RTD PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
1426	AEM 4 RTD PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
1427	AEM 4 RTD PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
1428	AEM 4 RTD PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
1429	AEM 4 RTD PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
1430	AEM 4 RTD PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
1431	AEM 4 RTD PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
1432	AEM 4 RTD PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
1433	AEM 4 RTD PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
1434	AEM 4 RTD PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
1435	AEM 4 RTD PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
1436	AEM 4 RTD PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
1437	AEM 4 RTD PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
1438	AEM 4 RTD PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
1439	AEM 4 RTD PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
1440	AEM 4 RTD PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
1441	AEM 4 RTD PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
1442	AEM 4 RTD PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
1443	AEM 4 RTD PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS
1444	AEM 4 RTD PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
1445	AEM 4 RTD PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
1446	AEM 4 RTD PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
1447	AEM 4 RTD PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
1448	AEM 4 RTD PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
1449	AEM 4 RTD PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
1450	AEM 4 RTD PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
1451	AEM 4 RTD PROTECTION 4 THRESH1 TRIP	R	NO ACCESS
1452	AEM 4 RTD PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
1453	AEM 4 RTD PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
1454	AEM 4 RTD PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
1455	AEM 4 RTD PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS
1456	AEM 4 RTD PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
1457	AEM 4 RTD PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
1458	AEM 4 RTD PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
1459	AEM 4 RTD PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
1460	AEM 4 RTD PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
1461	AEM 4 RTD PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
1462	AEM 4 RTD PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
1463	AEM 4 RTD PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
1464	AEM 4 RTD PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
1465	AEM 4 RTD PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
1466	AEM 4 RTD PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
1467	AEM 4 RTD PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
1468	AEM 4 RTD PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
1469	AEM 4 RTD PROTECTION 5 THRESH3 TRIP	R	NO ACCESS
1470	AEM 4 RTD PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
1471	AEM 4 RTD PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
1472	AEM 4 RTD PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
1473	AEM 4 RTD PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
1474	AEM 4 RTD PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
1475	AEM 4 RTD PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
1476	AEM 4 RTD PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
1477	AEM 4 RTD PROTECTION 6 THRESH1 ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1478	AEM 4 RTD PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
1479	AEM 4 RTD PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
1480	AEM 4 RTD PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
1481	AEM 4 RTD PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
1482	AEM 4 RTD PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
1483	AEM 4 RTD PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
1484	AEM 4 RTD PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
1485	AEM 4 RTD PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
1486	AEM 4 RTD PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
1487	AEM 4 RTD PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
1488	AEM 4 RTD PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
1489	AEM 4 RTD PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
1490	AEM 4 RTD PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
1491	AEM 4 RTD PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
1492	AEM 4 RTD PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
1493	AEM 4 RTD PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
1494	AEM 4 RTD PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
1495	AEM 4 RTD PROTECTION 7 THRESH3 ALARM	R	NO ACCESS
1496	AEM 4 RTD PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
1497	AEM 4 RTD PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
1498	AEM 4 RTD PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
1499	AEM 4 RTD PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
1500	AEM 4 RTD PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
1501	AEM 4 RTD PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
1502	AEM 4 RTD PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
1503	AEM 4 RTD PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS
1504	AEM 4 RTD PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
1505	AEM 4 RTD PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
1506	AEM 4 RTD PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
1507	AEM 4 RTD PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
1508	AEM 4 RTD PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
1509	AEM 4 RTD PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
1510	AEM 4 RTD PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
1511	AEM 4 THERM PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
1512	AEM 4 THERM PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
1513	AEM 4 THERM PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
1514	AEM 4 THERM PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
1515	AEM 4 THERM PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
1516	AEM 4 THERM PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
1517	AEM 4 THERM PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
1518	AEM 4 THERM PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
1519	AEM 4 THERM PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
1520	AEM 4 THERM PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
1521	AEM 4 THERM PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
1522	AEM 4 THERM PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
1523	AEM 4 THERM PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
1524	AEM 4 THERM PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
1525	AEM 4 THERM PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
1526	AEM 4 THERM PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
1527	AEM 4 THERM PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
1528	AEM 4 THERM PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
1529	AEM 4 THERM PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
1530	AEM 4 THERM PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
1531	AEM 4 THERM PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
1532	AEM 4 THERM PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
1533	AEM 4 THERM PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
1534	AEM 4 THERM PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
1535	CEM1 CONNECTED	R	NO ACCESS
1536	CEM1 COMMS FAILURE	R	NO ACCESS
1537	CEM1 DUP_CEM	R	NO ACCESS
1538	CEM1 INPUT 1	R	NO ACCESS
1539	CEM1 INPUT 2	R	NO ACCESS
1540	CEM1 INPUT 3	R	NO ACCESS
1541	CEM1 INPUT 4	R	NO ACCESS
1542	CEM1 INPUT 5	R	NO ACCESS
1543	CEM1 INPUT 6	R	NO ACCESS
1544	CEM1 INPUT 7	R	NO ACCESS
1545	CEM1 INPUT 8	R	NO ACCESS
1546	CEM1 INPUT 9	R	NO ACCESS
1547	CEM1 INPUT 10	R	NO ACCESS
1548	CEM1 OUTPUT 1	R	NO ACCESS
1549	CEM1 OUTPUT 2	R	NO ACCESS
1550	CEM1 OUTPUT 3	R	NO ACCESS
1551	CEM1 OUTPUT 4	R	NO ACCESS
1552	CEM1 OUTPUT 5	R	NO ACCESS
1553	CEM1 OUTPUT 6	R	NO ACCESS
1554	CEM1 OUTPUT 7	R	NO ACCESS
1555	CEM1 OUTPUT 8	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1556	CEM1_OUTPUT_9	R	NO ACCESS
1557	CEM1_OUTPUT_10	R	NO ACCESS
1558	CEM1_OUTPUT_11	R	NO ACCESS
1559	CEM1_OUTPUT_12	R	NO ACCESS
1560	CEM1_OUTPUT_13	R	NO ACCESS
1561	CEM1_OUTPUT_14	R	NO ACCESS
1562	CEM1_OUTPUT_15	R	NO ACCESS
1563	CEM1_OUTPUT_16	R	NO ACCESS
1564	CEM1_OUTPUT_17	R	NO ACCESS
1565	CEM1_OUTPUT_18	R	NO ACCESS
1566	CEM1_OUTPUT_19	R	NO ACCESS
1567	CEM1_OUTPUT_20	R	NO ACCESS
1568	CEM1_OUTPUT_21	R	NO ACCESS
1569	CEM1_OUTPUT_22	R	NO ACCESS
1570	CEM1_OUTPUT_23	R	NO ACCESS
1571	CEM1_OUTPUT_24	R	NO ACCESS
1572	CEM1_HW_MISMATCH	R	NO ACCESS
1573	CEM1_NOT_CONFIGURED_PA	R	NO ACCESS
1574	CEM2_CONNECTED	R	NO ACCESS
1575	CEM2_COMMS_FAILURE	R	NO ACCESS
1576	CEM2_DUP_CEM	R	NO ACCESS
1577	CEM2_INPUT_1	R	NO ACCESS
1578	CEM2_INPUT_2	R	NO ACCESS
1579	CEM2_INPUT_3	R	NO ACCESS
1580	CEM2_INPUT_4	R	NO ACCESS
1581	CEM2_INPUT_5	R	NO ACCESS
1582	CEM2_INPUT_6	R	NO ACCESS
1583	CEM2_INPUT_7	R	NO ACCESS
1584	CEM2_INPUT_8	R	NO ACCESS
1585	CEM2_INPUT_9	R	NO ACCESS
1586	CEM2_INPUT_10	R	NO ACCESS
1587	CEM2_OUTPUT_1	R	NO ACCESS
1588	CEM2_OUTPUT_2	R	NO ACCESS
1589	CEM2_OUTPUT_3	R	NO ACCESS
1590	CEM2_OUTPUT_4	R	NO ACCESS
1591	CEM2_OUTPUT_5	R	NO ACCESS
1592	CEM2_OUTPUT_6	R	NO ACCESS
1593	CEM2_OUTPUT_7	R	NO ACCESS
1594	CEM2_OUTPUT_8	R	NO ACCESS
1595	CEM2_OUTPUT_9	R	NO ACCESS
1596	CEM2_OUTPUT_10	R	NO ACCESS
1597	CEM2_OUTPUT_11	R	NO ACCESS
1598	CEM2_OUTPUT_12	R	NO ACCESS
1599	CEM2_OUTPUT_13	R	NO ACCESS
1600	CEM2_OUTPUT_14	R	NO ACCESS
1601	CEM2_OUTPUT_15	R	NO ACCESS
1602	CEM2_OUTPUT_16	R	NO ACCESS
1603	CEM2_OUTPUT_17	R	NO ACCESS
1604	CEM2_OUTPUT_18	R	NO ACCESS
1605	CEM2_OUTPUT_19	R	NO ACCESS
1606	CEM2_OUTPUT_20	R	NO ACCESS
1607	CEM2_OUTPUT_21	R	NO ACCESS
1608	CEM2_OUTPUT_22	R	NO ACCESS
1609	CEM2_OUTPUT_23	R	NO ACCESS
1610	CEM2_OUTPUT_24	R	NO ACCESS
1611	CEM2_HW_MISMATCH	R	NO ACCESS
1612	CEM2_NOT_CONFIGURED_PA	R	NO ACCESS
1613	CEM3_CONNECTED	R	NO ACCESS
1614	CEM3_COMMS_FAILURE	R	NO ACCESS
1615	CEM3_DUP_CEM	R	NO ACCESS
1616	CEM3_INPUT_1	R	NO ACCESS
1617	CEM3_INPUT_2	R	NO ACCESS
1618	CEM3_INPUT_3	R	NO ACCESS
1619	CEM3_INPUT_4	R	NO ACCESS
1620	CEM3_INPUT_5	R	NO ACCESS
1621	CEM3_INPUT_6	R	NO ACCESS
1622	CEM3_INPUT_7	R	NO ACCESS
1623	CEM3_INPUT_8	R	NO ACCESS
1624	CEM3_INPUT_9	R	NO ACCESS
1625	CEM3_INPUT_10	R	NO ACCESS
1626	CEM3_OUTPUT_1	R	NO ACCESS
1627	CEM3_OUTPUT_2	R	NO ACCESS
1628	CEM3_OUTPUT_3	R	NO ACCESS
1629	CEM3_OUTPUT_4	R	NO ACCESS
1630	CEM3_OUTPUT_5	R	NO ACCESS
1631	CEM3_OUTPUT_6	R	NO ACCESS
1632	CEM3_OUTPUT_7	R	NO ACCESS
1633	CEM3_OUTPUT_8	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1634	CEM3_OUTPUT_9	R	NO ACCESS
1635	CEM3_OUTPUT_10	R	NO ACCESS
1636	CEM3_OUTPUT_11	R	NO ACCESS
1637	CEM3_OUTPUT_12	R	NO ACCESS
1638	CEM3_OUTPUT_13	R	NO ACCESS
1639	CEM3_OUTPUT_14	R	NO ACCESS
1640	CEM3_OUTPUT_15	R	NO ACCESS
1641	CEM3_OUTPUT_16	R	NO ACCESS
1642	CEM3_OUTPUT_17	R	NO ACCESS
1643	CEM3_OUTPUT_18	R	NO ACCESS
1644	CEM3_OUTPUT_19	R	NO ACCESS
1645	CEM3_OUTPUT_20	R	NO ACCESS
1646	CEM3_OUTPUT_21	R	NO ACCESS
1647	CEM3_OUTPUT_22	R	NO ACCESS
1648	CEM3_OUTPUT_23	R	NO ACCESS
1649	CEM3_OUTPUT_24	R	NO ACCESS
1650	CEM3_HW_MISMATCH	R	NO ACCESS
1651	CEM3_NOT_CONFIGURED_PA	R	NO ACCESS
1652	CEM4_CONNECTED	R	NO ACCESS
1653	CEM4_COMMS_FAILURE	R	NO ACCESS
1654	CEM4_DUP_CEM	R	NO ACCESS
1655	CEM4_INPUT_1	R	NO ACCESS
1656	CEM4_INPUT_2	R	NO ACCESS
1657	CEM4_INPUT_3	R	NO ACCESS
1658	CEM4_INPUT_4	R	NO ACCESS
1659	CEM4_INPUT_5	R	NO ACCESS
1660	CEM4_INPUT_6	R	NO ACCESS
1661	CEM4_INPUT_7	R	NO ACCESS
1662	CEM4_INPUT_8	R	NO ACCESS
1663	CEM4_INPUT_9	R	NO ACCESS
1664	CEM4_INPUT_10	R	NO ACCESS
1665	CEM4_OUTPUT_1	R	NO ACCESS
1666	CEM4_OUTPUT_2	R	NO ACCESS
1667	CEM4_OUTPUT_3	R	NO ACCESS
1668	CEM4_OUTPUT_4	R	NO ACCESS
1669	CEM4_OUTPUT_5	R	NO ACCESS
1670	CEM4_OUTPUT_6	R	NO ACCESS
1671	CEM4_OUTPUT_7	R	NO ACCESS
1672	CEM4_OUTPUT_8	R	NO ACCESS
1673	CEM4_OUTPUT_9	R	NO ACCESS
1674	CEM4_OUTPUT_10	R	NO ACCESS
1675	CEM4_OUTPUT_11	R	NO ACCESS
1676	CEM4_OUTPUT_12	R	NO ACCESS
1677	CEM4_OUTPUT_13	R	NO ACCESS
1678	CEM4_OUTPUT_14	R	NO ACCESS
1679	CEM4_OUTPUT_15	R	NO ACCESS
1680	CEM4_OUTPUT_16	R	NO ACCESS
1681	CEM4_OUTPUT_17	R	NO ACCESS
1682	CEM4_OUTPUT_18	R	NO ACCESS
1683	CEM4_OUTPUT_19	R	NO ACCESS
1684	CEM4_OUTPUT_20	R	NO ACCESS
1685	CEM4_OUTPUT_21	R	NO ACCESS
1686	CEM4_OUTPUT_22	R	NO ACCESS
1687	CEM4_OUTPUT_23	R	NO ACCESS
1688	CEM4_OUTPUT_24	R	NO ACCESS
1689	CEM4_HW_MISMATCH	R	NO ACCESS
1690	CEM4_NOT_CONFIGURED_PA	R	NO ACCESS
1691	GENSETCONTROLLER_IN_READY_STATE	R	NO ACCESS
1692	GENSETCONTROLLER_IN_CRANKING_STATE	R	NO ACCESS
1693	GENSETCONTROLLER_IN_RESTING_STATE	R	NO ACCESS
1694	GENSETCONTROLLER_IN_RUNNING_STATE	R	NO ACCESS
1695	GENSETCONTROLLER_IN_ALARM_STATE	R	NO ACCESS
1696	GENSETCONTROLLER_IN_PRESTART_STATE	R	NO ACCESS
1697	GENSETCONTROLLER_IN_COOLING_STATE	R	NO ACCESS
1698	GENSETCONTROLLER_IN_CONNECTING_STATE	R	NO ACCESS
1699	GENSETCONTROLLER_IN_DISCONNECT_STATE	R	NO ACCESS
1700	GENSETCONTROLLER_IN_PULSING_STATE	R	NO ACCESS
1701	GENSETCONTROLLER_EXTERNAL_START_DELAY	R	NO ACCESS
1702	GENSETCONTROLLER_START_DELAY_BYPASS	R	NO ACCESS
1703	GENSETCONTROLLER_OVERCRANK_ALARM	R	NO ACCESS
1704	GENSETCONTROLLER_OFF_MODE_COOLDOWN	R	NO ACCESS
1705	GENSETCONTROLLER_COOLDOWN_AND_STOP_REQUEST_FROM_LOGIC	R	NO ACCESS
1706	GENSETCONTROLLER_COOLDOWN_REQUEST_FROM_LOGIC	R	NO ACCESS
1707	GENSETCONTROLLER_IN_UNLOADING_STATE	R	NO ACCESS
1708	GENSETCONTROLLER_AUTO_MODE_STATUS	R	NO ACCESS
1709	GENSETCONTROLLER_OFF_MODE_STATUS	R	NO ACCESS
1710	GENSETCONTROLLER_RUN_MODE_STATUS	R	NO ACCESS
1711	GENSETCONTROLLER_PARALLELED_TO_MAINS	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1712	GENSETCONTROLLER EMERGENCY STOP BTN	R	NO ACCESS
1713	GENSETCONTROLLER COOLDOWN TIMER ACTIVE	R	NO ACCESS
1714	GENSETCONTROLLER IDLE REQUEST ACTIVE	R	NO ACCESS
1715	GENSETCONTROLLER LOWCOOLANTLEVELPREALARM GLBL	R	NO ACCESS
1716	GENSETCONTROLLER LOWCOOLANTLEVELALARM GLBL	R	NO ACCESS
1717	GENSETCONTROLLER LOWCOOLANTLEVELSTATUS GLBL	R	NO ACCESS
1718	COMSCTRLGROUP RESET ACTIVE	R	NO ACCESS
1719	COMSCTRLGROUP LAMP TEST ACTIVE	R	NO ACCESS
1720	LOAD DETECTION SUPPLYINGLOAD	R	NO ACCESS
1721	RUN STATISTICS MAINTENANCEDUE	R	NO ACCESS
1722	UNITIDTABLE ID MISSING PREALARM	R	NO ACCESS
1723	UNITIDTABLE ID REPEAT PREALARM	R	NO ACCESS
1724	LOAD SHARE SETTINGS INTERGENSET COMMS FAIL	R	NO ACCESS
1725	AUTO RESTART AUTORESTARTFAILALARM	R	NO ACCESS
1726	ECU CONFIG LOSS OF ECU COMM ALARM	R	NO ACCESS
1727	ECU CONFIG LOSS OF ECU COMM PREALARM	R	NO ACCESS
1728	ECU CONFIG DIAGNOSTIC TROUBLE CODE PREALARM	R	NO ACCESS
1729	ECU CONFIG SHUTDOWN BP	R	NO ACCESS
1730	ECU CONFIG DEF EMPTY BP	R	NO ACCESS
1731	ECU CONFIG DEF ENGINE DERATE BP	R	NO ACCESS
1732	ECU CONFIG DEF INDUCEMENT OVERRIDE BP	R	NO ACCESS
1733	ECU CONFIG DEF LOW BP	R	NO ACCESS
1734	ECU CONFIG DEF PRESEVERE INDUCEMENT BP	R	NO ACCESS
1735	ECU CONFIG DEF SEVERE INDUCEMENT BP	R	NO ACCESS
1736	ECU CONFIG DPF REGENERATE DISABLED BP	R	NO ACCESS
1737	ECU CONFIG DPF REGENERATE REQUIRED BP	R	NO ACCESS
1738	ECU CONFIG DPF SOOT LEVEL HIGH LEAST SEVERE BP	R	NO ACCESS
1739	ECU CONFIG DPF SOOT LEVEL HIGH MODERATELY SEVERE BP	R	NO ACCESS
1740	ECU CONFIG DPF SOOT LEVEL HIGH MOST SEVERE BP	R	NO ACCESS
1741	ECU CONFIG FUEL FILTER 1 LEAK BP	R	NO ACCESS
1742	ECU CONFIG FUEL FILTER 2 LEAK BP	R	NO ACCESS
1743	ECU CONFIG HIGH EXHAUST TEMP BP	R	NO ACCESS
1744	ECU CONFIG LOW COOLANT LEVEL ALARM FROM DTC	R	NO ACCESS
1745	ECU CONFIG MD HIGH CHARGE AIR TEMP ALARM BIT	R	NO ACCESS
1746	ECU CONFIG MD HIGH OIL TEMP ALARM BIT	R	NO ACCESS
1747	ECU CONFIG MD HIGH COOLANT TEMP ALARM BIT	R	NO ACCESS
1748	ECU CONFIG MD LOW AFTRCLR COOL LVL ALM BIT	R	NO ACCESS
1749	ECU CONFIG MD LOW FUEL DELIVERY PRES ALM BIT	R	NO ACCESS
1750	ECU CONFIG MD LOW OIL PRESSURE ALARM BIT	R	NO ACCESS
1751	ECU CONFIG MD OVERSPEED ALARM BIT	R	NO ACCESS
1752	ECU CONFIG MD COMBINED RED ALARM STATUS FROM ECU	R	NO ACCESS
1753	ECU CONFIG MD HIGH ECU TEMP PREALARM BIT	R	NO ACCESS
1754	ECU CONFIG MD HIGH OIL TEMP PREALARM BIT	R	NO ACCESS
1755	ECU CONFIG MD HIGH INTERCLR TEMP PREALM BIT	R	NO ACCESS
1756	ECU CONFIG MD HIGH CHARGE AIR TMP PREALM BIT	R	NO ACCESS
1757	ECU CONFIG MD HIGH COOLANT TMP PREALM BIT	R	NO ACCESS
1758	ECU CONFIG MD SHUTDOWN OVERRIDE PREALM BIT	R	NO ACCESS
1759	ECU CONFIG MD HIGH FUEL RAIL PRES PREALM BIT	R	NO ACCESS
1760	ECU CONFIG MD LOW FUEL RAIL PRES PREALM BIT	R	NO ACCESS
1761	ECU CONFIG MD LOW COOLANT LEVEL PREALM BIT	R	NO ACCESS
1762	ECU CONFIG MD LOW CHARGE AIR PRES PREALM BIT	R	NO ACCESS
1763	ECU CONFIG MD LOW FUEL DELIVERY PRES PREALM BIT	R	NO ACCESS
1764	ECU CONFIG MD LOW OIL PRESSURE PREALARM BIT	R	NO ACCESS
1765	ECU CONFIG MD COMBINED YELLOW PREALARM BIT	R	NO ACCESS
1766	ECU CONFIG MD HI FUEL FILTER DIFF PRESSURE PALARM BIT	R	NO ACCESS
1767	ECU CONFIG MD TEST OVRSPD ACTIVE PALARM BIT	R	NO ACCESS
1768	ECU CONFIG BP CAN MODE FEEDBACK STATUS BIT	R	NO ACCESS
1769	ECU CONFIG BP CYLINDER CUTOFF STATUS BIT	R	NO ACCESS
1770	ECU CONFIG BP ECU FAULTY PREALARM BIT	R	NO ACCESS
1771	ECU CONFIG BP ECU OVERRIDE FEEDBACK STATUS BIT	R	NO ACCESS
1772	ECU CONFIG BP ENGINE RUNNING STATUS BIT	R	NO ACCESS
1773	ECU CONFIG BP ENGINE SPEED TOO LOW PREALARM BIT	R	NO ACCESS
1774	ECU CONFIG BP EXTERNAL STOP ACTIVE STATUS BIT	R	NO ACCESS
1775	ECU CONFIG BP HI DAY TANK LEVEL PREALARM BIT	R	NO ACCESS
1776	ECU CONFIG BP HIGH ECU SUPPLY VOLTAGE ALARM BIT	R	NO ACCESS
1777	ECU CONFIG BP HIGH EXHAUST TEMP A PREALARM BIT	R	NO ACCESS
1778	ECU CONFIG BP HIGH EXHAUST TEMP B PREALARM BIT	R	NO ACCESS
1779	ECU CONFIG BP HIGH FUEL TEMP PREALARM BIT	R	NO ACCESS
1780	ECU CONFIG BP HIGH STORAGE TANK LEVEL PREALARM BIT	R	NO ACCESS
1781	ECU CONFIG BP HIGH VOLTAGE SUPPLY PREALARM BIT	R	NO ACCESS
1782	ECU CONFIG BP HI PRESSURE IN 1 PREALARM BIT	R	NO ACCESS
1783	ECU CONFIG BP HI PRESSURE IN 2 PREALARM BIT	R	NO ACCESS
1784	ECU CONFIG BP HI T AMBIENT PREALARM BIT	R	NO ACCESS
1785	ECU CONFIG BP HI TCOIL 1 PREALARM BIT	R	NO ACCESS
1786	ECU CONFIG BP HI TCOIL 2 PREALARM BIT	R	NO ACCESS
1787	ECU CONFIG BP HI TCOIL 3 PREALARM BIT	R	NO ACCESS
1788	ECU CONFIG BP IDLE SPEED LOW PREALARM BIT	R	NO ACCESS
1789	ECU CONFIG BP LOAD GEN ON STATUS BIT	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1790	ECU CONFIG_BP_LOW_CHARGE_AIR_COOLANT_LEVEL_PREALARM_BIT	R	NO_ACCESS
1791	ECU CONFIG_BP_LOW_DAY_TANK_LEVEL_PREALARM_BIT	R	NO_ACCESS
1792	ECU CONFIG_BP_LOW_ECU_SUPPLY_VOLTAGE_PREALARM_BIT	R	NO_ACCESS
1793	ECU CONFIG_BP_LOW_STORAGE_TANK_LEVEL_PREALARM_BIT	R	NO_ACCESS
1794	ECU CONFIG_BP_LOW_VOLTAGE_SUPPLY_PREALARM_BIT	R	NO_ACCESS
1795	ECU CONFIG_BP_PREHEAT_TEMP_NOT_REACHED_STATUS_BIT	R	NO_ACCESS
1796	ECU CONFIG_BP_PRIMING_FAULT_PREALARM_BIT	R	NO_ACCESS
1797	ECU CONFIG_BP_PRIMING_PUMP_ON_STATUS_BIT	R	NO_ACCESS
1798	ECU CONFIG_BP_RUNUP_SPEED_LOW_PREALARM_BIT	R	NO_ACCESS
1799	ECU CONFIG_BP_SPEED_DEC_FEEDBACK_STATUS_BIT	R	NO_ACCESS
1800	ECU CONFIG_BP_SPEED_DEMAND_FAIL_MODE_STATUS_BIT	R	NO_ACCESS
1801	ECU CONFIG_BP_SPEED_DEMAND_FAIL_PREALARM_BIT	R	NO_ACCESS
1802	ECU CONFIG_BP_SPEED_INC_FEEDBACK_STATUS_BIT	R	NO_ACCESS
1803	ECU CONFIG_BP_START_SPEED_LOW_PREALARM_BIT	R	NO_ACCESS
1804	ECU CONFIG_BP_T_ALTERNATOR_WIRING_PREALARM_BIT	R	NO_ACCESS
1805	SETTINGS_GROUP_USE_SG0	R W	CONTROL_ACCESS
1806	SETTINGS_GROUP_USE_SG1	R W	CONTROL_ACCESS
1807	SETTINGS_GROUP_USE_SG2	R W	CONTROL_ACCESS
1808	SETTINGS_GROUP_USE_SG3	R W	CONTROL_ACCESS
1809	SYNC_ACTIVE	R	NO_ACCESS
1810	SYNC_BREAKER_CLOSE_OK	R	NO_ACCESS
1811	SYNC_VOLT_OK	R	NO_ACCESS
1812	SYNC_FREQ_OK	R	NO_ACCESS
1813	SYNC_PHASE_OK	R	NO_ACCESS
1814	SYNC_SYNC_CHECK	R	NO_ACCESS
1815	GEN_BRKR_BREAKER_STATUS	R	NO_ACCESS
1816	GEN_BRKR_SYNC_FAIL	R	NO_ACCESS
1817	GEN_BRKR_FAIL_TO_CLOSE	R	NO_ACCESS
1818	GEN_BRKR_FAIL_TO_OPEN	R	NO_ACCESS
1819	MAINS_BRKR_BREAKER_STATUS	R	NO_ACCESS
1820	MAINS_BRKR_SYNC_FAIL	R	NO_ACCESS
1821	MAINS_BRKR_FAIL_TO_CLOSE	R	NO_ACCESS
1822	MAINS_BRKR_FAIL_TO_OPEN	R	NO_ACCESS
1823	BREAKERLOCALREQUESTGENERATION_MAINS_FAIL_TRANSFER_INHIBIT_F ROM PLC	R	NO_ACCESS
1824	BREAKERLOCALREQUESTGENERATION_CLOSED_TRANSITION_OVERRIDE_ FROM PLC	R	NO_ACCESS
1825	BREAKERLOCALREQUESTGENERATION_MAINS_FAIL_TEST_ACTIVE	R	NO_ACCESS
1826	BREAKERLOCALREQUESTGENERATION_AUTO_BREAKER_OP_INHIBIT	R	NO_ACCESS
1827	BREAKERLOCALREQUESTGENERATION_MAINS_FAIL_TRANSFER_ENABLED	R	NO_ACCESS
1828	BREAKERLOCALREQUESTGENERATION_MAINS_FAIL_TRANSFER_FAIL	R	NO_ACCESS
1829	BREAKERLOCALREQUESTGENERATION_MAINS_FAIL_TRANSFER_COMPLET E	R	NO_ACCESS
1830	BREAKERLOCALREQUESTGENERATION_MAINS_ZERO_POWER_FLOW	R	NO_ACCESS
1831	BIASCONTROL_TAKE_OVER_LOAD_ACTIVE	R	NO_ACCESS
1832	BIASCONTROL_VAR_MODE_ACTIVE	R	NO_ACCESS
1833	BIASCONTROL_PF_MODE_ACTIVE	R	NO_ACCESS
1834	GENCONNECTION_REVERSEROTATION	R	NO_ACCESS
1835	BUS1_CONNECTION_REVERSEROTATION	R	NO_ACCESS
1836	BUS2_CONNECTION_REVERSEROTATION	R	NO_ACCESS
1837	GEN_CONDITION_DEAD	R	NO_ACCESS
1838	GEN_CONDITION_FAILED	R	NO_ACCESS
1839	GEN_CONDITION_STABLE	R	NO_ACCESS
1840	BUS1_CONDITION_DEAD	R	NO_ACCESS
1841	BUS1_CONDITION_FAILED	R	NO_ACCESS
1842	BUS1_CONDITION_STABLE	R	NO_ACCESS
1843	BUS2_CONDITION_DEAD	R	NO_ACCESS
1844	BUS2_CONDITION_FAILED	R	NO_ACCESS
1845	BUS2_CONDITION_STABLE	R	NO_ACCESS
1846	COOLNT_TEMP_SF_ALARM	R	NO_ACCESS
1847	COOLNT_TEMP_SF_PREALARM	R	NO_ACCESS
1848	OIL_PRESSURE_SF_ALARM	R	NO_ACCESS
1849	OIL_PRESSURE_SF_PREALARM	R	NO_ACCESS
1850	FUEL_LEVEL_SF_ALARM	R	NO_ACCESS
1851	FUEL_LEVEL_SF_PREALARM	R	NO_ACCESS
1852	VOLT_SENSING_SF_ALARM	R	NO_ACCESS
1853	VOLT_SENSING_SF_PREALARM	R	NO_ACCESS
1854	ATS_STATUS	R	NO_ACCESS
1855	ATS_ALARM	R	NO_ACCESS
1856	ATS_PREALARM	R	NO_ACCESS
1857	GND_DELTA_ORIDE_STATUS	R	NO_ACCESS
1858	GND_DELTA_ORIDE_ALARM	R	NO_ACCESS
1859	GND_DELTA_ORIDE_PREALARM	R	NO_ACCESS
1860	BATTLE_OVERRIDE_STATUS	R	NO_ACCESS
1861	BATTLE_OVERRIDE_ALARM	R	NO_ACCESS
1862	BATTLE_OVERRIDE_PREALARM	R	NO_ACCESS
1863	LOW_LINE_O-RIDE_STATUS	R	NO_ACCESS
1864	LOW_LINE_O-RIDE_ALARM	R	NO_ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1865	LOW_LINE_O-RIDE_PREALARM	R	NO ACCESS
1866	1PH_AC_O-RIDE_STATUS	R	NO ACCESS
1867	1PH_AC_O-RIDE_ALARM	R	NO ACCESS
1868	1PH_AC_O-RIDE_PREALARM	R	NO ACCESS
1869	BATT_CHARGR_FAIL_STATUS	R	NO ACCESS
1870	BATT_CHARGR_FAIL_ALARM	R	NO ACCESS
1871	BATT_CHARGR_FAIL_PREALARM	R	NO ACCESS
1872	LOW_COOLANT_LVL_PROG_FUNC_STATUS	R	NO ACCESS
1873	FUELLEAKDETECT_STATUS	R	NO ACCESS
1874	FUELLEAKDETECT_ALARM	R	NO ACCESS
1875	FUELLEAKDETECT_PREALARM	R	NO ACCESS
1876	EMERGENCYSTOP_STATUS	R	NO ACCESS
1877	EMERGENCYSTOP_ALARM	R	NO ACCESS
1878	EMERGENCYSTOP_PREALARM	R	NO ACCESS
1879	SINGLE_PH_OVERRIDE_STATUS_1PH	R	NO ACCESS
1880	CONFIG_ELEMENT_1_OUTPUT	R	NO ACCESS
1881	CONFIG_ELEMENT_1_ALARM	R	NO ACCESS
1882	CONFIG_ELEMENT_1_PREALARM	R	NO ACCESS
1883	CONFIG_ELEMENT_2_OUTPUT	R	NO ACCESS
1884	CONFIG_ELEMENT_2_ALARM	R	NO ACCESS
1885	CONFIG_ELEMENT_2_PREALARM	R	NO ACCESS
1886	CONFIG_ELEMENT_3_OUTPUT	R	NO ACCESS
1887	CONFIG_ELEMENT_3_ALARM	R	NO ACCESS
1888	CONFIG_ELEMENT_3_PREALARM	R	NO ACCESS
1889	CONFIG_ELEMENT_4_OUTPUT	R	NO ACCESS
1890	CONFIG_ELEMENT_4_ALARM	R	NO ACCESS
1891	CONFIG_ELEMENT_4_PREALARM	R	NO ACCESS
1892	CONFIG_ELEMENT_5_OUTPUT	R	NO ACCESS
1893	CONFIG_ELEMENT_5_ALARM	R	NO ACCESS
1894	CONFIG_ELEMENT_5_PREALARM	R	NO ACCESS
1895	CONFIG_ELEMENT_6_OUTPUT	R	NO ACCESS
1896	CONFIG_ELEMENT_6_ALARM	R	NO ACCESS
1897	CONFIG_ELEMENT_6_PREALARM	R	NO ACCESS
1898	CONFIG_ELEMENT_7_OUTPUT	R	NO ACCESS
1899	CONFIG_ELEMENT_7_ALARM	R	NO ACCESS
1900	CONFIG_ELEMENT_7_PREALARM	R	NO ACCESS
1901	CONFIG_ELEMENT_8_OUTPUT	R	NO ACCESS
1902	CONFIG_ELEMENT_8_ALARM	R	NO ACCESS
1903	CONFIG_ELEMENT_8_PREALARM	R	NO ACCESS
1904	CONTACT_INPUT_1_ALARM	R	NO ACCESS
1905	CONTACT_INPUT_1_PREALARM	R	NO ACCESS
1906	CONTACT_INPUT_1_STATE	R	NO ACCESS
1907	CONTACT_INPUT_2_ALARM	R	NO ACCESS
1908	CONTACT_INPUT_2_PREALARM	R	NO ACCESS
1909	CONTACT_INPUT_2_STATE	R	NO ACCESS
1910	CONTACT_INPUT_3_ALARM	R	NO ACCESS
1911	CONTACT_INPUT_3_PREALARM	R	NO ACCESS
1912	CONTACT_INPUT_3_STATE	R	NO ACCESS
1913	CONTACT_INPUT_4_ALARM	R	NO ACCESS
1914	CONTACT_INPUT_4_PREALARM	R	NO ACCESS
1915	CONTACT_INPUT_4_STATE	R	NO ACCESS
1916	CONTACT_INPUT_5_ALARM	R	NO ACCESS
1917	CONTACT_INPUT_5_PREALARM	R	NO ACCESS
1918	CONTACT_INPUT_5_STATE	R	NO ACCESS
1919	CONTACT_INPUT_6_ALARM	R	NO ACCESS
1920	CONTACT_INPUT_6_PREALARM	R	NO ACCESS
1921	CONTACT_INPUT_6_STATE	R	NO ACCESS
1922	CONTACT_INPUT_7_ALARM	R	NO ACCESS
1923	CONTACT_INPUT_7_PREALARM	R	NO ACCESS
1924	CONTACT_INPUT_7_STATE	R	NO ACCESS
1925	CONTACT_INPUT_8_ALARM	R	NO ACCESS
1926	CONTACT_INPUT_8_PREALARM	R	NO ACCESS
1927	CONTACT_INPUT_8_STATE	R	NO ACCESS
1928	CONTACT_INPUT_9_ALARM	R	NO ACCESS
1929	CONTACT_INPUT_9_PREALARM	R	NO ACCESS
1930	CONTACT_INPUT_9_STATE	R	NO ACCESS
1931	CONTACT_INPUT_10_ALARM	R	NO ACCESS
1932	CONTACT_INPUT_10_PREALARM	R	NO ACCESS
1933	CONTACT_INPUT_10_STATE	R	NO ACCESS
1934	CONTACT_INPUT_11_ALARM	R	NO ACCESS
1935	CONTACT_INPUT_11_PREALARM	R	NO ACCESS
1936	CONTACT_INPUT_11_STATE	R	NO ACCESS
1937	CONTACT_INPUT_12_ALARM	R	NO ACCESS
1938	CONTACT_INPUT_12_PREALARM	R	NO ACCESS
1939	CONTACT_INPUT_12_STATE	R	NO ACCESS
1940	CONTACT_INPUT_13_ALARM	R	NO ACCESS
1941	CONTACT_INPUT_13_PREALARM	R	NO ACCESS
1942	CONTACT_INPUT_13_STATE	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
1943	CONTACT INPUT 14 ALARM	R	NO ACCESS
1944	CONTACT INPUT 14 PREALARM	R	NO ACCESS
1945	CONTACT INPUT 14 STATE	R	NO ACCESS
1946	CONTACT INPUT 15 ALARM	R	NO ACCESS
1947	CONTACT INPUT 15 PREALARM	R	NO ACCESS
1948	CONTACT INPUT 15 STATE	R	NO ACCESS
1949	CONTACT INPUT 16 ALARM	R	NO ACCESS
1950	CONTACT INPUT 16 PREALARM	R	NO ACCESS
1951	CONTACT INPUT 16 STATE	R	NO ACCESS
1952	CEM1CONTACTINPUT1 ALARM	R	NO ACCESS
1953	CEM1CONTACTINPUT1 PREALARM	R	NO ACCESS
1954	CEM1CONTACTINPUT1 STATE	R	NO ACCESS
1955	CEM1CONTACTINPUT2 ALARM	R	NO ACCESS
1956	CEM1CONTACTINPUT2 PREALARM	R	NO ACCESS
1957	CEM1CONTACTINPUT2 STATE	R	NO ACCESS
1958	CEM1CONTACTINPUT3 ALARM	R	NO ACCESS
1959	CEM1CONTACTINPUT3 PREALARM	R	NO ACCESS
1960	CEM1CONTACTINPUT3 STATE	R	NO ACCESS
1961	CEM1CONTACTINPUT4 ALARM	R	NO ACCESS
1962	CEM1CONTACTINPUT4 PREALARM	R	NO ACCESS
1963	CEM1CONTACTINPUT4 STATE	R	NO ACCESS
1964	CEM1CONTACTINPUT5 ALARM	R	NO ACCESS
1965	CEM1CONTACTINPUT5 PREALARM	R	NO ACCESS
1966	CEM1CONTACTINPUT5 STATE	R	NO ACCESS
1967	CEM1CONTACTINPUT6 ALARM	R	NO ACCESS
1968	CEM1CONTACTINPUT6 PREALARM	R	NO ACCESS
1969	CEM1CONTACTINPUT6 STATE	R	NO ACCESS
1970	CEM1CONTACTINPUT7 ALARM	R	NO ACCESS
1971	CEM1CONTACTINPUT7 PREALARM	R	NO ACCESS
1972	CEM1CONTACTINPUT7 STATE	R	NO ACCESS
1973	CEM1CONTACTINPUT8 ALARM	R	NO ACCESS
1974	CEM1CONTACTINPUT8 PREALARM	R	NO ACCESS
1975	CEM1CONTACTINPUT8 STATE	R	NO ACCESS
1976	CEM1CONTACTINPUT9 ALARM	R	NO ACCESS
1977	CEM1CONTACTINPUT9 PREALARM	R	NO ACCESS
1978	CEM1CONTACTINPUT9 STATE	R	NO ACCESS
1979	CEM1CONTACTINPUT10 ALARM	R	NO ACCESS
1980	CEM1CONTACTINPUT10 PREALARM	R	NO ACCESS
1981	CEM1CONTACTINPUT10 STATE	R	NO ACCESS
1982	CEM2CONTACTINPUT1 ALARM	R	NO ACCESS
1983	CEM2CONTACTINPUT1 PREALARM	R	NO ACCESS
1984	CEM2CONTACTINPUT1 STATE	R	NO ACCESS
1985	CEM2CONTACTINPUT2 ALARM	R	NO ACCESS
1986	CEM2CONTACTINPUT2 PREALARM	R	NO ACCESS
1987	CEM2CONTACTINPUT2 STATE	R	NO ACCESS
1988	CEM2CONTACTINPUT3 ALARM	R	NO ACCESS
1989	CEM2CONTACTINPUT3 PREALARM	R	NO ACCESS
1990	CEM2CONTACTINPUT3 STATE	R	NO ACCESS
1991	CEM2CONTACTINPUT4 ALARM	R	NO ACCESS
1992	CEM2CONTACTINPUT4 PREALARM	R	NO ACCESS
1993	CEM2CONTACTINPUT4 STATE	R	NO ACCESS
1994	CEM2CONTACTINPUT5 ALARM	R	NO ACCESS
1995	CEM2CONTACTINPUT5 PREALARM	R	NO ACCESS
1996	CEM2CONTACTINPUT5 STATE	R	NO ACCESS
1997	CEM2CONTACTINPUT6 ALARM	R	NO ACCESS
1998	CEM2CONTACTINPUT6 PREALARM	R	NO ACCESS
1999	CEM2CONTACTINPUT6 STATE	R	NO ACCESS
2000	CEM2CONTACTINPUT7 ALARM	R	NO ACCESS
2001	CEM2CONTACTINPUT7 PREALARM	R	NO ACCESS
2002	CEM2CONTACTINPUT7 STATE	R	NO ACCESS
2003	CEM2CONTACTINPUT8 ALARM	R	NO ACCESS
2004	CEM2CONTACTINPUT8 PREALARM	R	NO ACCESS
2005	CEM2CONTACTINPUT8 STATE	R	NO ACCESS
2006	CEM2CONTACTINPUT9 ALARM	R	NO ACCESS
2007	CEM2CONTACTINPUT9 PREALARM	R	NO ACCESS
2008	CEM2CONTACTINPUT9 STATE	R	NO ACCESS
2009	CEM2CONTACTINPUT10 ALARM	R	NO ACCESS
2010	CEM2CONTACTINPUT10 PREALARM	R	NO ACCESS
2011	CEM2CONTACTINPUT10 STATE	R	NO ACCESS
2012	CEM3CONTACTINPUT1 ALARM	R	NO ACCESS
2013	CEM3CONTACTINPUT1 PREALARM	R	NO ACCESS
2014	CEM3CONTACTINPUT1 STATE	R	NO ACCESS
2015	CEM3CONTACTINPUT2 ALARM	R	NO ACCESS
2016	CEM3CONTACTINPUT2 PREALARM	R	NO ACCESS
2017	CEM3CONTACTINPUT2 STATE	R	NO ACCESS
2018	CEM3CONTACTINPUT3 ALARM	R	NO ACCESS
2019	CEM3CONTACTINPUT3 PREALARM	R	NO ACCESS
2020	CEM3CONTACTINPUT3 STATE	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2021	CEM3CONTACTINPUT4_ALARM	R	NO ACCESS
2022	CEM3CONTACTINPUT4_PREALARM	R	NO ACCESS
2023	CEM3CONTACTINPUT4_STATE	R	NO ACCESS
2024	CEM3CONTACTINPUT5_ALARM	R	NO ACCESS
2025	CEM3CONTACTINPUT5_PREALARM	R	NO ACCESS
2026	CEM3CONTACTINPUT5_STATE	R	NO ACCESS
2027	CEM3CONTACTINPUT6_ALARM	R	NO ACCESS
2028	CEM3CONTACTINPUT6_PREALARM	R	NO ACCESS
2029	CEM3CONTACTINPUT6_STATE	R	NO ACCESS
2030	CEM3CONTACTINPUT7_ALARM	R	NO ACCESS
2031	CEM3CONTACTINPUT7_PREALARM	R	NO ACCESS
2032	CEM3CONTACTINPUT7_STATE	R	NO ACCESS
2033	CEM3CONTACTINPUT8_ALARM	R	NO ACCESS
2034	CEM3CONTACTINPUT8_PREALARM	R	NO ACCESS
2035	CEM3CONTACTINPUT8_STATE	R	NO ACCESS
2036	CEM3CONTACTINPUT9_ALARM	R	NO ACCESS
2037	CEM3CONTACTINPUT9_PREALARM	R	NO ACCESS
2038	CEM3CONTACTINPUT9_STATE	R	NO ACCESS
2039	CEM3CONTACTINPUT10_ALARM	R	NO ACCESS
2040	CEM3CONTACTINPUT10_PREALARM	R	NO ACCESS
2041	CEM3CONTACTINPUT10_STATE	R	NO ACCESS
2042	CEM4CONTACTINPUT1_ALARM	R	NO ACCESS
2043	CEM4CONTACTINPUT1_PREALARM	R	NO ACCESS
2044	CEM4CONTACTINPUT1_STATE	R	NO ACCESS
2045	CEM4CONTACTINPUT2_ALARM	R	NO ACCESS
2046	CEM4CONTACTINPUT2_PREALARM	R	NO ACCESS
2047	CEM4CONTACTINPUT2_STATE	R	NO ACCESS
2048	CEM4CONTACTINPUT3_ALARM	R	NO ACCESS
2049	CEM4CONTACTINPUT3_PREALARM	R	NO ACCESS
2050	CEM4CONTACTINPUT3_STATE	R	NO ACCESS
2051	CEM4CONTACTINPUT4_ALARM	R	NO ACCESS
2052	CEM4CONTACTINPUT4_PREALARM	R	NO ACCESS
2053	CEM4CONTACTINPUT4_STATE	R	NO ACCESS
2054	CEM4CONTACTINPUT5_ALARM	R	NO ACCESS
2055	CEM4CONTACTINPUT5_PREALARM	R	NO ACCESS
2056	CEM4CONTACTINPUT5_STATE	R	NO ACCESS
2057	CEM4CONTACTINPUT6_ALARM	R	NO ACCESS
2058	CEM4CONTACTINPUT6_PREALARM	R	NO ACCESS
2059	CEM4CONTACTINPUT6_STATE	R	NO ACCESS
2060	CEM4CONTACTINPUT7_ALARM	R	NO ACCESS
2061	CEM4CONTACTINPUT7_PREALARM	R	NO ACCESS
2062	CEM4CONTACTINPUT7_STATE	R	NO ACCESS
2063	CEM4CONTACTINPUT8_ALARM	R	NO ACCESS
2064	CEM4CONTACTINPUT8_PREALARM	R	NO ACCESS
2065	CEM4CONTACTINPUT8_STATE	R	NO ACCESS
2066	CEM4CONTACTINPUT9_ALARM	R	NO ACCESS
2067	CEM4CONTACTINPUT9_PREALARM	R	NO ACCESS
2068	CEM4CONTACTINPUT9_STATE	R	NO ACCESS
2069	CEM4CONTACTINPUT10_ALARM	R	NO ACCESS
2070	CEM4CONTACTINPUT10_PREALARM	R	NO ACCESS
2071	CEM4CONTACTINPUT10_STATE	R	NO ACCESS
2072	LCROUTPUTS_OUTPUT_1	R	NO ACCESS
2073	LCROUTPUTS_OUTPUT_2	R	NO ACCESS
2074	LCROUTPUTS_OUTPUT_3	R	NO ACCESS
2075	LCROUTPUTS_OUTPUT_4	R	NO ACCESS
2076	LCROUTPUTS_OUTPUT_5	R	NO ACCESS
2077	LCROUTPUTS_OUTPUT_6	R	NO ACCESS
2078	LCROUTPUTS_OUTPUT_7	R	NO ACCESS
2079	LCROUTPUTS_OUTPUT_8	R	NO ACCESS
2080	LCROUTPUTS_OUTPUT_9	R	NO ACCESS
2081	LCROUTPUTS_OUTPUT_10	R	NO ACCESS
2082	LCROUTPUTS_OUTPUT_11	R	NO ACCESS
2083	LCROUTPUTS_OUTPUT_12	R	NO ACCESS
2084	LCROUTPUTS_OUTPUT_13	R	NO ACCESS
2085	LCROUTPUTS_OUTPUT_14	R	NO ACCESS
2086	LCROUTPUTS_OUTPUT_15	R	NO ACCESS
2087	LCROUTPUTS_OUTPUT_16	R	NO ACCESS
2088	A1INPUTCONFIG_ANALOG_INPUT_OUT_OF_RANGE	R	NO ACCESS
2089	A1INPUTCONFIG_ANALOG_INPUT_OUT_OF_RANGE_PREALARM	R	NO ACCESS
2090	A1INPUTCONFIG_ANALOG_INPUT_OUT_OF_RANGE_ALARM	R	NO ACCESS
2091	A1PROTECTION_THRESH1_TRIP	R	NO ACCESS
2092	A1PROTECTION_THRESH1_PREALARM	R	NO ACCESS
2093	A1PROTECTION_THRESH1_ALARM	R	NO ACCESS
2094	A1PROTECTION_THRESH2_TRIP	R	NO ACCESS
2095	A1PROTECTION_THRESH2_PREALARM	R	NO ACCESS
2096	A1PROTECTION_THRESH2_ALARM	R	NO ACCESS
2097	A1PROTECTION_THRESH3_TRIP	R	NO ACCESS
2098	A1PROTECTION_THRESH3_PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2099	AI1PROTECTION THRESH3 ALARM	R	NO ACCESS
2100	AI1PROTECTION THRESH4 TRIP	R	NO ACCESS
2101	AI1PROTECTION THRESH4 PREALARM	R	NO ACCESS
2102	AI1PROTECTION THRESH4 ALARM	R	NO ACCESS
2103	AI2INPUTCONFIG ANALOG INPUT OUT OF RANGE	R	NO ACCESS
2104	AI2INPUTCONFIG ANALOG INPUT OUT OF RANGE PREALARM	R	NO ACCESS
2105	AI2INPUTCONFIG ANALOG INPUT OUT OF RANGE ALARM	R	NO ACCESS
2106	AI2PROTECTION THRESH1 TRIP	R	NO ACCESS
2107	AI2PROTECTION THRESH1 PREALARM	R	NO ACCESS
2108	AI2PROTECTION THRESH1 ALARM	R	NO ACCESS
2109	AI2PROTECTION THRESH2 TRIP	R	NO ACCESS
2110	AI2PROTECTION THRESH2 PREALARM	R	NO ACCESS
2111	AI2PROTECTION THRESH2 ALARM	R	NO ACCESS
2112	AI2PROTECTION THRESH3 TRIP	R	NO ACCESS
2113	AI2PROTECTION THRESH3 PREALARM	R	NO ACCESS
2114	AI2PROTECTION THRESH3 ALARM	R	NO ACCESS
2115	AI2PROTECTION THRESH4 TRIP	R	NO ACCESS
2116	AI2PROTECTION THRESH4 PREALARM	R	NO ACCESS
2117	AI2PROTECTION THRESH4 ALARM	R	NO ACCESS
2118	AI3INPUTCONFIG ANALOG INPUT OUT OF RANGE	R	NO ACCESS
2119	AI3INPUTCONFIG ANALOG INPUT OUT OF RANGE PREALARM	R	NO ACCESS
2120	AI3INPUTCONFIG ANALOG INPUT OUT OF RANGE ALARM	R	NO ACCESS
2121	AI3PROTECTION THRESH1 TRIP	R	NO ACCESS
2122	AI3PROTECTION THRESH1 PREALARM	R	NO ACCESS
2123	AI3PROTECTION THRESH1 ALARM	R	NO ACCESS
2124	AI3PROTECTION THRESH2 TRIP	R	NO ACCESS
2125	AI3PROTECTION THRESH2 PREALARM	R	NO ACCESS
2126	AI3PROTECTION THRESH2 ALARM	R	NO ACCESS
2127	AI3PROTECTION THRESH3 TRIP	R	NO ACCESS
2128	AI3PROTECTION THRESH3 PREALARM	R	NO ACCESS
2129	AI3PROTECTION THRESH3 ALARM	R	NO ACCESS
2130	AI3PROTECTION THRESH4 TRIP	R	NO ACCESS
2131	AI3PROTECTION THRESH4 PREALARM	R	NO ACCESS
2132	AI3PROTECTION THRESH4 ALARM	R	NO ACCESS
2133	AI4INPUTCONFIG ANALOG INPUT OUT OF RANGE	R	NO ACCESS
2134	AI4INPUTCONFIG ANALOG INPUT OUT OF RANGE PREALARM	R	NO ACCESS
2135	AI4INPUTCONFIG ANALOG INPUT OUT OF RANGE ALARM	R	NO ACCESS
2136	AI4PROTECTION THRESH1 TRIP	R	NO ACCESS
2137	AI4PROTECTION THRESH1 PREALARM	R	NO ACCESS
2138	AI4PROTECTION THRESH1 ALARM	R	NO ACCESS
2139	AI4PROTECTION THRESH2 TRIP	R	NO ACCESS
2140	AI4PROTECTION THRESH2 PREALARM	R	NO ACCESS
2141	AI4PROTECTION THRESH2 ALARM	R	NO ACCESS
2142	AI4PROTECTION THRESH3 TRIP	R	NO ACCESS
2143	AI4PROTECTION THRESH3 PREALARM	R	NO ACCESS
2144	AI4PROTECTION THRESH3 ALARM	R	NO ACCESS
2145	AI4PROTECTION THRESH4 TRIP	R	NO ACCESS
2146	AI4PROTECTION THRESH4 PREALARM	R	NO ACCESS
2147	AI4PROTECTION THRESH4 ALARM	R	NO ACCESS
2148	AVR OUTPUT OUT OF RANGE	R	NO ACCESS
2149	AVR OUTPUT OUT OF RANGE PREALARM	R	NO ACCESS
2150	AVR OUTPUT OUT OF RANGE ALARM	R	NO ACCESS
2151	GOV OUTPUT OUT OF RANGE	R	NO ACCESS
2152	GOV OUTPUT OUT OF RANGE PREALARM	R	NO ACCESS
2153	GOV OUTPUT OUT OF RANGE ALARM	R	NO ACCESS
2154	LS OUTPUT OUT OF RANGE	R	NO ACCESS
2155	LS OUTPUT OUT OF RANGE PREALARM	R	NO ACCESS
2156	LS OUTPUT OUT OF RANGE ALARM	R	NO ACCESS
2157	BREAKERLOCALREQUESTGENERATION MAINS_FAIL_RETURN_FAIL	R	NO ACCESS
2158	BREAKERLOCALREQUESTGENERATION MAINS_FAIL_LOAD_UNSTABLE	R	NO ACCESS
2159	GENSETCONTROLLER EMERGENCY_STOP_ALARM	R	NO ACCESS
2160	87N BLOCK	R	NO ACCESS
2161	87N PICKUP	R	NO ACCESS
2162	87N TRIP	R	NO ACCESS
2163	87N PREALARM	R	NO ACCESS
2164	87N ALARM	R	NO ACCESS
2165	87G BLOCK	R	NO ACCESS
2166	87G PICKUP	R	NO ACCESS
2167	87G TRIP	R	NO ACCESS
2168	87G TRIPA	R	NO ACCESS
2169	87G TRIPB	R	NO ACCESS
2170	87G TRIPC	R	NO ACCESS
2171	87G UNRESTRAINED TRIP	R	NO ACCESS
2172	87G TRANSIENT MONITOR	R	NO ACCESS
2173	87G UNRESTTRIPA	R	NO ACCESS
2174	87G UNRESTTRIPB	R	NO ACCESS
2175	87G UNRESTTRIPC	R	NO ACCESS
2176	87G ALERT A	R	NO ACCESS

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2177	87G ALERT_B	R	NO ACCESS
2178	87G ALERT_C	R	NO ACCESS
2179	87G 87 ALERT	R	NO ACCESS
2180	87G 2ND HARMONIC INHIBIT	R	NO ACCESS
2181	87G 5TH HARMONIC INHIBIT	R	NO ACCESS
2182	87G PREALARM	R	NO ACCESS
2183	87G ALARM	R	NO ACCESS
2184	46-1 BLOCK	R	NO ACCESS
2185	46-1 PICKUP	R	NO ACCESS
2186	46-1 TRIP_1PH	R	NO ACCESS
2187	46-1 PREALARM	R	NO ACCESS
2188	46-1 ALARM	R	NO ACCESS
2189	46-2 BLOCK	R	NO ACCESS
2190	46-2 PICKUP	R	NO ACCESS
2191	46-2 TRIP_1PH	R	NO ACCESS
2192	46-2 PREALARM	R	NO ACCESS
2193	46-2 ALARM	R	NO ACCESS
2194	46-3 BLOCK	R	NO ACCESS
2195	46-3 PICKUP	R	NO ACCESS
2196	46-3 TRIP_1PH	R	NO ACCESS
2197	46-3 PREALARM	R	NO ACCESS
2198	46-3 ALARM	R	NO ACCESS
2199	46-4 BLOCK	R	NO ACCESS
2200	46-4 PICKUP	R	NO ACCESS
2201	46-4 TRIP_1PH	R	NO ACCESS
2202	46-4 PREALARM	R	NO ACCESS
2203	46-4 ALARM	R	NO ACCESS
2204	46-5 BLOCK	R	NO ACCESS
2205	46-5 PICKUP	R	NO ACCESS
2206	46-5 TRIP_1PH	R	NO ACCESS
2207	46-5 PREALARM	R	NO ACCESS
2208	46-5 ALARM	R	NO ACCESS
2209	46-6 BLOCK	R	NO ACCESS
2210	46-6 PICKUP	R	NO ACCESS
2211	46-6 TRIP_1PH	R	NO ACCESS
2212	46-6 PREALARM	R	NO ACCESS
2213	46-6 ALARM	R	NO ACCESS
2214	46-1 BLOCK	R	NO ACCESS
2215	46-1 PICKUP	R	NO ACCESS
2216	46-1 TRIP_3PH	R	NO ACCESS
2217	46-1 PREALARM	R	NO ACCESS
2218	46-1 ALARM	R	NO ACCESS
2219	46-2 BLOCK	R	NO ACCESS
2220	46-2 PICKUP	R	NO ACCESS
2221	46-2 TRIP_3PH	R	NO ACCESS
2222	46-2 PREALARM	R	NO ACCESS
2223	46-2 ALARM	R	NO ACCESS
2224	46-3 BLOCK	R	NO ACCESS
2225	46-3 PICKUP	R	NO ACCESS
2226	46-3 TRIP_3PH	R	NO ACCESS
2227	46-3 PREALARM	R	NO ACCESS
2228	46-3 ALARM	R	NO ACCESS
2229	46-4 BLOCK	R	NO ACCESS
2230	46-4 PICKUP	R	NO ACCESS
2231	46-4 TRIP_3PH	R	NO ACCESS
2232	46-4 PREALARM	R	NO ACCESS
2233	46-4 ALARM	R	NO ACCESS
2234	46-5 BLOCK	R	NO ACCESS
2235	46-5 PICKUP	R	NO ACCESS
2236	46-5 TRIP_3PH	R	NO ACCESS
2237	46-5 PREALARM	R	NO ACCESS
2238	46-5 ALARM	R	NO ACCESS
2239	46-6 BLOCK	R	NO ACCESS
2240	46-6 PICKUP	R	NO ACCESS
2241	46-6 TRIP_3PH	R	NO ACCESS
2242	46-6 PREALARM	R	NO ACCESS
2243	46-6 ALARM	R	NO ACCESS
2244	CONFIGPROT9 CONFPROTTHRESH1TRIP	R	NO ACCESS
2245	CONFIGPROT9 CONFPROTTHRESH1PREALARM	R	NO ACCESS
2246	CONFIGPROT9 CONFPROTTHRESH1ALARM	R	NO ACCESS
2247	CONFIGPROT9 CONFPROTTHRESH2TRIP	R	NO ACCESS
2248	CONFIGPROT9 CONFPROTTHRESH2PREALARM	R	NO ACCESS
2249	CONFIGPROT9 CONFPROTTHRESH2ALARM	R	NO ACCESS
2250	CONFIGPROT9 CONFPROTTHRESH3TRIP	R	NO ACCESS
2251	CONFIGPROT9 CONFPROTTHRESH3PREALARM	R	NO ACCESS
2252	CONFIGPROT9 CONFPROTTHRESH3ALARM	R	NO ACCESS
2253	CONFIGPROT9 CONFPROTTHRESH4TRIP	R	NO ACCESS
2254	CONFIGPROT9 CONFPROTTHRESH4PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2255	CONFIGPROT9_CONFPROTTHRESH4ALARM	R	NO ACCESS
2256	CONFIGPROT10_CONFPROTTHRESH1TRIP	R	NO ACCESS
2257	CONFIGPROT10_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2258	CONFIGPROT10_CONFPROTTHRESH1ALARM	R	NO ACCESS
2259	CONFIGPROT10_CONFPROTTHRESH2TRIP	R	NO ACCESS
2260	CONFIGPROT10_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2261	CONFIGPROT10_CONFPROTTHRESH2ALARM	R	NO ACCESS
2262	CONFIGPROT10_CONFPROTTHRESH3TRIP	R	NO ACCESS
2263	CONFIGPROT10_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2264	CONFIGPROT10_CONFPROTTHRESH3ALARM	R	NO ACCESS
2265	CONFIGPROT10_CONFPROTTHRESH4TRIP	R	NO ACCESS
2266	CONFIGPROT10_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2267	CONFIGPROT10_CONFPROTTHRESH4ALARM	R	NO ACCESS
2268	CONFIGPROT11_CONFPROTTHRESH1TRIP	R	NO ACCESS
2269	CONFIGPROT11_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2270	CONFIGPROT11_CONFPROTTHRESH1ALARM	R	NO ACCESS
2271	CONFIGPROT11_CONFPROTTHRESH2TRIP	R	NO ACCESS
2272	CONFIGPROT11_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2273	CONFIGPROT11_CONFPROTTHRESH2ALARM	R	NO ACCESS
2274	CONFIGPROT11_CONFPROTTHRESH3TRIP	R	NO ACCESS
2275	CONFIGPROT11_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2276	CONFIGPROT11_CONFPROTTHRESH3ALARM	R	NO ACCESS
2277	CONFIGPROT11_CONFPROTTHRESH4TRIP	R	NO ACCESS
2278	CONFIGPROT11_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2279	CONFIGPROT11_CONFPROTTHRESH4ALARM	R	NO ACCESS
2280	CONFIGPROT12_CONFPROTTHRESH1TRIP	R	NO ACCESS
2281	CONFIGPROT12_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2282	CONFIGPROT12_CONFPROTTHRESH1ALARM	R	NO ACCESS
2283	CONFIGPROT12_CONFPROTTHRESH2TRIP	R	NO ACCESS
2284	CONFIGPROT12_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2285	CONFIGPROT12_CONFPROTTHRESH2ALARM	R	NO ACCESS
2286	CONFIGPROT12_CONFPROTTHRESH3TRIP	R	NO ACCESS
2287	CONFIGPROT12_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2288	CONFIGPROT12_CONFPROTTHRESH3ALARM	R	NO ACCESS
2289	CONFIGPROT12_CONFPROTTHRESH4TRIP	R	NO ACCESS
2290	CONFIGPROT12_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2291	CONFIGPROT12_CONFPROTTHRESH4ALARM	R	NO ACCESS
2292	CONFIGPROT13_CONFPROTTHRESH1TRIP	R	NO ACCESS
2293	CONFIGPROT13_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2294	CONFIGPROT13_CONFPROTTHRESH1ALARM	R	NO ACCESS
2295	CONFIGPROT13_CONFPROTTHRESH2TRIP	R	NO ACCESS
2296	CONFIGPROT13_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2297	CONFIGPROT13_CONFPROTTHRESH2ALARM	R	NO ACCESS
2298	CONFIGPROT13_CONFPROTTHRESH3TRIP	R	NO ACCESS
2299	CONFIGPROT13_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2300	CONFIGPROT13_CONFPROTTHRESH3ALARM	R	NO ACCESS
2301	CONFIGPROT13_CONFPROTTHRESH4TRIP	R	NO ACCESS
2302	CONFIGPROT13_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2303	CONFIGPROT13_CONFPROTTHRESH4ALARM	R	NO ACCESS
2304	CONFIGPROT14_CONFPROTTHRESH1TRIP	R	NO ACCESS
2305	CONFIGPROT14_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2306	CONFIGPROT14_CONFPROTTHRESH1ALARM	R	NO ACCESS
2307	CONFIGPROT14_CONFPROTTHRESH2TRIP	R	NO ACCESS
2308	CONFIGPROT14_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2309	CONFIGPROT14_CONFPROTTHRESH2ALARM	R	NO ACCESS
2310	CONFIGPROT14_CONFPROTTHRESH3TRIP	R	NO ACCESS
2311	CONFIGPROT14_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2312	CONFIGPROT14_CONFPROTTHRESH3ALARM	R	NO ACCESS
2313	CONFIGPROT14_CONFPROTTHRESH4TRIP	R	NO ACCESS
2314	CONFIGPROT14_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2315	CONFIGPROT14_CONFPROTTHRESH4ALARM	R	NO ACCESS
2316	CONFIGPROT15_CONFPROTTHRESH1TRIP	R	NO ACCESS
2317	CONFIGPROT15_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2318	CONFIGPROT15_CONFPROTTHRESH1ALARM	R	NO ACCESS
2319	CONFIGPROT15_CONFPROTTHRESH2TRIP	R	NO ACCESS
2320	CONFIGPROT15_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2321	CONFIGPROT15_CONFPROTTHRESH2ALARM	R	NO ACCESS
2322	CONFIGPROT15_CONFPROTTHRESH3TRIP	R	NO ACCESS
2323	CONFIGPROT15_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2324	CONFIGPROT15_CONFPROTTHRESH3ALARM	R	NO ACCESS
2325	CONFIGPROT15_CONFPROTTHRESH4TRIP	R	NO ACCESS
2326	CONFIGPROT15_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2327	CONFIGPROT15_CONFPROTTHRESH4ALARM	R	NO ACCESS
2328	CONFIGPROT16_CONFPROTTHRESH1TRIP	R	NO ACCESS
2329	CONFIGPROT16_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2330	CONFIGPROT16_CONFPROTTHRESH1ALARM	R	NO ACCESS
2331	CONFIGPROT16_CONFPROTTHRESH2TRIP	R	NO ACCESS
2332	CONFIGPROT16_CONFPROTTHRESH2PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2333	CONFIGPROT16_CONFPROTTHRESH2ALARM	R	NO ACCESS
2334	CONFIGPROT16_CONFPROTTHRESH3TRIP	R	NO ACCESS
2335	CONFIGPROT16_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2336	CONFIGPROT16_CONFPROTTHRESH3ALARM	R	NO ACCESS
2337	CONFIGPROT16_CONFPROTTHRESH4TRIP	R	NO ACCESS
2338	CONFIGPROT16_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2339	CONFIGPROT16_CONFPROTTHRESH4ALARM	R	NO ACCESS
2340	CONFIGPROT17_CONFPROTTHRESH1TRIP	R	NO ACCESS
2341	CONFIGPROT17_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2342	CONFIGPROT17_CONFPROTTHRESH1ALARM	R	NO ACCESS
2343	CONFIGPROT17_CONFPROTTHRESH2TRIP	R	NO ACCESS
2344	CONFIGPROT17_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2345	CONFIGPROT17_CONFPROTTHRESH2ALARM	R	NO ACCESS
2346	CONFIGPROT17_CONFPROTTHRESH3TRIP	R	NO ACCESS
2347	CONFIGPROT17_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2348	CONFIGPROT17_CONFPROTTHRESH3ALARM	R	NO ACCESS
2349	CONFIGPROT17_CONFPROTTHRESH4TRIP	R	NO ACCESS
2350	CONFIGPROT17_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2351	CONFIGPROT17_CONFPROTTHRESH4ALARM	R	NO ACCESS
2352	CONFIGPROT18_CONFPROTTHRESH1TRIP	R	NO ACCESS
2353	CONFIGPROT18_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2354	CONFIGPROT18_CONFPROTTHRESH1ALARM	R	NO ACCESS
2355	CONFIGPROT18_CONFPROTTHRESH2TRIP	R	NO ACCESS
2356	CONFIGPROT18_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2357	CONFIGPROT18_CONFPROTTHRESH2ALARM	R	NO ACCESS
2358	CONFIGPROT18_CONFPROTTHRESH3TRIP	R	NO ACCESS
2359	CONFIGPROT18_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2360	CONFIGPROT18_CONFPROTTHRESH3ALARM	R	NO ACCESS
2361	CONFIGPROT18_CONFPROTTHRESH4TRIP	R	NO ACCESS
2362	CONFIGPROT18_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2363	CONFIGPROT18_CONFPROTTHRESH4ALARM	R	NO ACCESS
2364	CONFIGPROT19_CONFPROTTHRESH1TRIP	R	NO ACCESS
2365	CONFIGPROT19_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2366	CONFIGPROT19_CONFPROTTHRESH1ALARM	R	NO ACCESS
2367	CONFIGPROT19_CONFPROTTHRESH2TRIP	R	NO ACCESS
2368	CONFIGPROT19_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2369	CONFIGPROT19_CONFPROTTHRESH2ALARM	R	NO ACCESS
2370	CONFIGPROT19_CONFPROTTHRESH3TRIP	R	NO ACCESS
2371	CONFIGPROT19_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2372	CONFIGPROT19_CONFPROTTHRESH3ALARM	R	NO ACCESS
2373	CONFIGPROT19_CONFPROTTHRESH4TRIP	R	NO ACCESS
2374	CONFIGPROT19_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2375	CONFIGPROT19_CONFPROTTHRESH4ALARM	R	NO ACCESS
2376	CONFIGPROT20_CONFPROTTHRESH1TRIP	R	NO ACCESS
2377	CONFIGPROT20_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2378	CONFIGPROT20_CONFPROTTHRESH1ALARM	R	NO ACCESS
2379	CONFIGPROT20_CONFPROTTHRESH2TRIP	R	NO ACCESS
2380	CONFIGPROT20_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2381	CONFIGPROT20_CONFPROTTHRESH2ALARM	R	NO ACCESS
2382	CONFIGPROT20_CONFPROTTHRESH3TRIP	R	NO ACCESS
2383	CONFIGPROT20_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2384	CONFIGPROT20_CONFPROTTHRESH3ALARM	R	NO ACCESS
2385	CONFIGPROT20_CONFPROTTHRESH4TRIP	R	NO ACCESS
2386	CONFIGPROT20_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2387	CONFIGPROT20_CONFPROTTHRESH4ALARM	R	NO ACCESS
2388	CONFIGPROT21_CONFPROTTHRESH1TRIP	R	NO ACCESS
2389	CONFIGPROT21_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2390	CONFIGPROT21_CONFPROTTHRESH1ALARM	R	NO ACCESS
2391	CONFIGPROT21_CONFPROTTHRESH2TRIP	R	NO ACCESS
2392	CONFIGPROT21_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2393	CONFIGPROT21_CONFPROTTHRESH2ALARM	R	NO ACCESS
2394	CONFIGPROT21_CONFPROTTHRESH3TRIP	R	NO ACCESS
2395	CONFIGPROT21_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2396	CONFIGPROT21_CONFPROTTHRESH3ALARM	R	NO ACCESS
2397	CONFIGPROT21_CONFPROTTHRESH4TRIP	R	NO ACCESS
2398	CONFIGPROT21_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2399	CONFIGPROT21_CONFPROTTHRESH4ALARM	R	NO ACCESS
2400	CONFIGPROT22_CONFPROTTHRESH1TRIP	R	NO ACCESS
2401	CONFIGPROT22_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2402	CONFIGPROT22_CONFPROTTHRESH1ALARM	R	NO ACCESS
2403	CONFIGPROT22_CONFPROTTHRESH2TRIP	R	NO ACCESS
2404	CONFIGPROT22_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2405	CONFIGPROT22_CONFPROTTHRESH2ALARM	R	NO ACCESS
2406	CONFIGPROT22_CONFPROTTHRESH3TRIP	R	NO ACCESS
2407	CONFIGPROT22_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2408	CONFIGPROT22_CONFPROTTHRESH3ALARM	R	NO ACCESS
2409	CONFIGPROT22_CONFPROTTHRESH4TRIP	R	NO ACCESS
2410	CONFIGPROT22_CONFPROTTHRESH4PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2411	CONFIGPROT22_CONFPROTTHRESH4ALARM	R	NO ACCESS
2412	CONFIGPROT23_CONFPROTTHRESH1TRIP	R	NO ACCESS
2413	CONFIGPROT23_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2414	CONFIGPROT23_CONFPROTTHRESH1ALARM	R	NO ACCESS
2415	CONFIGPROT23_CONFPROTTHRESH2TRIP	R	NO ACCESS
2416	CONFIGPROT23_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2417	CONFIGPROT23_CONFPROTTHRESH2ALARM	R	NO ACCESS
2418	CONFIGPROT23_CONFPROTTHRESH3TRIP	R	NO ACCESS
2419	CONFIGPROT23_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2420	CONFIGPROT23_CONFPROTTHRESH3ALARM	R	NO ACCESS
2421	CONFIGPROT23_CONFPROTTHRESH4TRIP	R	NO ACCESS
2422	CONFIGPROT23_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2423	CONFIGPROT23_CONFPROTTHRESH4ALARM	R	NO ACCESS
2424	CONFIGPROT24_CONFPROTTHRESH1TRIP	R	NO ACCESS
2425	CONFIGPROT24_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2426	CONFIGPROT24_CONFPROTTHRESH1ALARM	R	NO ACCESS
2427	CONFIGPROT24_CONFPROTTHRESH2TRIP	R	NO ACCESS
2428	CONFIGPROT24_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2429	CONFIGPROT24_CONFPROTTHRESH2ALARM	R	NO ACCESS
2430	CONFIGPROT24_CONFPROTTHRESH3TRIP	R	NO ACCESS
2431	CONFIGPROT24_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2432	CONFIGPROT24_CONFPROTTHRESH3ALARM	R	NO ACCESS
2433	CONFIGPROT24_CONFPROTTHRESH4TRIP	R	NO ACCESS
2434	CONFIGPROT24_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2435	CONFIGPROT24_CONFPROTTHRESH4ALARM	R	NO ACCESS
2436	CONFIGPROT25_CONFPROTTHRESH1TRIP	R	NO ACCESS
2437	CONFIGPROT25_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2438	CONFIGPROT25_CONFPROTTHRESH1ALARM	R	NO ACCESS
2439	CONFIGPROT25_CONFPROTTHRESH2TRIP	R	NO ACCESS
2440	CONFIGPROT25_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2441	CONFIGPROT25_CONFPROTTHRESH2ALARM	R	NO ACCESS
2442	CONFIGPROT25_CONFPROTTHRESH3TRIP	R	NO ACCESS
2443	CONFIGPROT25_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2444	CONFIGPROT25_CONFPROTTHRESH3ALARM	R	NO ACCESS
2445	CONFIGPROT25_CONFPROTTHRESH4TRIP	R	NO ACCESS
2446	CONFIGPROT25_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2447	CONFIGPROT25_CONFPROTTHRESH4ALARM	R	NO ACCESS
2448	CONFIGPROT26_CONFPROTTHRESH1TRIP	R	NO ACCESS
2449	CONFIGPROT26_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2450	CONFIGPROT26_CONFPROTTHRESH1ALARM	R	NO ACCESS
2451	CONFIGPROT26_CONFPROTTHRESH2TRIP	R	NO ACCESS
2452	CONFIGPROT26_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2453	CONFIGPROT26_CONFPROTTHRESH2ALARM	R	NO ACCESS
2454	CONFIGPROT26_CONFPROTTHRESH3TRIP	R	NO ACCESS
2455	CONFIGPROT26_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2456	CONFIGPROT26_CONFPROTTHRESH3ALARM	R	NO ACCESS
2457	CONFIGPROT26_CONFPROTTHRESH4TRIP	R	NO ACCESS
2458	CONFIGPROT26_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2459	CONFIGPROT26_CONFPROTTHRESH4ALARM	R	NO ACCESS
2460	CONFIGPROT27_CONFPROTTHRESH1TRIP	R	NO ACCESS
2461	CONFIGPROT27_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2462	CONFIGPROT27_CONFPROTTHRESH1ALARM	R	NO ACCESS
2463	CONFIGPROT27_CONFPROTTHRESH2TRIP	R	NO ACCESS
2464	CONFIGPROT27_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2465	CONFIGPROT27_CONFPROTTHRESH2ALARM	R	NO ACCESS
2466	CONFIGPROT27_CONFPROTTHRESH3TRIP	R	NO ACCESS
2467	CONFIGPROT27_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2468	CONFIGPROT27_CONFPROTTHRESH3ALARM	R	NO ACCESS
2469	CONFIGPROT27_CONFPROTTHRESH4TRIP	R	NO ACCESS
2470	CONFIGPROT27_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2471	CONFIGPROT27_CONFPROTTHRESH4ALARM	R	NO ACCESS
2472	CONFIGPROT28_CONFPROTTHRESH1TRIP	R	NO ACCESS
2473	CONFIGPROT28_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2474	CONFIGPROT28_CONFPROTTHRESH1ALARM	R	NO ACCESS
2475	CONFIGPROT28_CONFPROTTHRESH2TRIP	R	NO ACCESS
2476	CONFIGPROT28_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2477	CONFIGPROT28_CONFPROTTHRESH2ALARM	R	NO ACCESS
2478	CONFIGPROT28_CONFPROTTHRESH3TRIP	R	NO ACCESS
2479	CONFIGPROT28_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2480	CONFIGPROT28_CONFPROTTHRESH3ALARM	R	NO ACCESS
2481	CONFIGPROT28_CONFPROTTHRESH4TRIP	R	NO ACCESS
2482	CONFIGPROT28_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2483	CONFIGPROT28_CONFPROTTHRESH4ALARM	R	NO ACCESS
2484	CONFIGPROT29_CONFPROTTHRESH1TRIP	R	NO ACCESS
2485	CONFIGPROT29_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2486	CONFIGPROT29_CONFPROTTHRESH1ALARM	R	NO ACCESS
2487	CONFIGPROT29_CONFPROTTHRESH2TRIP	R	NO ACCESS
2488	CONFIGPROT29_CONFPROTTHRESH2PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2489	CONFIGPROT29_CONFPROTTHRESH2ALARM	R	NO ACCESS
2490	CONFIGPROT29_CONFPROTTHRESH3TRIP	R	NO ACCESS
2491	CONFIGPROT29_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2492	CONFIGPROT29_CONFPROTTHRESH3ALARM	R	NO ACCESS
2493	CONFIGPROT29_CONFPROTTHRESH4TRIP	R	NO ACCESS
2494	CONFIGPROT29_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2495	CONFIGPROT29_CONFPROTTHRESH4ALARM	R	NO ACCESS
2496	CONFIGPROT30_CONFPROTTHRESH1TRIP	R	NO ACCESS
2497	CONFIGPROT30_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2498	CONFIGPROT30_CONFPROTTHRESH1ALARM	R	NO ACCESS
2499	CONFIGPROT30_CONFPROTTHRESH2TRIP	R	NO ACCESS
2500	CONFIGPROT30_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2501	CONFIGPROT30_CONFPROTTHRESH2ALARM	R	NO ACCESS
2502	CONFIGPROT30_CONFPROTTHRESH3TRIP	R	NO ACCESS
2503	CONFIGPROT30_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2504	CONFIGPROT30_CONFPROTTHRESH3ALARM	R	NO ACCESS
2505	CONFIGPROT30_CONFPROTTHRESH4TRIP	R	NO ACCESS
2506	CONFIGPROT30_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2507	CONFIGPROT30_CONFPROTTHRESH4ALARM	R	NO ACCESS
2508	CONFIGPROT31_CONFPROTTHRESH1TRIP	R	NO ACCESS
2509	CONFIGPROT31_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2510	CONFIGPROT31_CONFPROTTHRESH1ALARM	R	NO ACCESS
2511	CONFIGPROT31_CONFPROTTHRESH2TRIP	R	NO ACCESS
2512	CONFIGPROT31_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2513	CONFIGPROT31_CONFPROTTHRESH2ALARM	R	NO ACCESS
2514	CONFIGPROT31_CONFPROTTHRESH3TRIP	R	NO ACCESS
2515	CONFIGPROT31_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2516	CONFIGPROT31_CONFPROTTHRESH3ALARM	R	NO ACCESS
2517	CONFIGPROT31_CONFPROTTHRESH4TRIP	R	NO ACCESS
2518	CONFIGPROT31_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2519	CONFIGPROT31_CONFPROTTHRESH4ALARM	R	NO ACCESS
2520	CONFIGPROT32_CONFPROTTHRESH1TRIP	R	NO ACCESS
2521	CONFIGPROT32_CONFPROTTHRESH1PREALARM	R	NO ACCESS
2522	CONFIGPROT32_CONFPROTTHRESH1ALARM	R	NO ACCESS
2523	CONFIGPROT32_CONFPROTTHRESH2TRIP	R	NO ACCESS
2524	CONFIGPROT32_CONFPROTTHRESH2PREALARM	R	NO ACCESS
2525	CONFIGPROT32_CONFPROTTHRESH2ALARM	R	NO ACCESS
2526	CONFIGPROT32_CONFPROTTHRESH3TRIP	R	NO ACCESS
2527	CONFIGPROT32_CONFPROTTHRESH3PREALARM	R	NO ACCESS
2528	CONFIGPROT32_CONFPROTTHRESH3ALARM	R	NO ACCESS
2529	CONFIGPROT32_CONFPROTTHRESH4TRIP	R	NO ACCESS
2530	CONFIGPROT32_CONFPROTTHRESH4PREALARM	R	NO ACCESS
2531	CONFIGPROT32_CONFPROTTHRESH4ALARM	R	NO ACCESS
2532	GENSETCONTROLLER_GLOBAL_SOFTALARM	R	NO ACCESS
2533	GENSETCONTROLLER_PARALLEL_TO_MAINS_DETECTED	R	NO ACCESS
2534	ECU_CONFIG_DPF_LAMP_COMMAND	R	NO ACCESS
2535	ECU_CONFIG_DEF_WARNING	R	NO ACCESS
2536	ECU_CONFIG_DEF_WARNING_LEVEL_2	R	NO ACCESS
2537	GEN_BRKR_OK_TO_CLOSE	R	NO ACCESS
2538	GEN_BRKR_CONFIGURED	R	NO ACCESS
2539	GEN_BRKR_FAIL_TO_CLOSE_STATUS	R	NO ACCESS
2540	GEN_BRKR_FAIL_TO_OPEN_STATUS	R	NO ACCESS
2541	GEN_BRKR_OPEN_SETPOINT_REACHED	R	NO ACCESS
2542	MAINS_BRKR_OK_TO_CLOSE	R	NO ACCESS
2543	MAINS_BRKR_CONFIGURED	R	NO ACCESS
2544	MAINS_BRKR_FAIL_TO_CLOSE_STATUS	R	NO ACCESS
2545	MAINS_BRKR_FAIL_TO_OPEN_STATUS	R	NO ACCESS
2546	MAINS_BRKR_OPEN_SETPOINT_REACHED	R	NO ACCESS
2547	BREAKERLOCALREQUESTGENERATION_GROUPBREAKERCAPACITYNOTREACHED	R	NO ACCESS
2548	BREAKERLOCALREQUESTGENERATION_GROUPBREAKERCAPACITYFAIL	R	NO ACCESS
2549	BREAKERLOCALREQUESTGENERATION_MAINS_FAIL_TRANSFER_FAIL_PREALARM	R	NO ACCESS
2550	GROUP_BREAKER_BREAKER_STATUS	R	NO ACCESS
2551	GROUP_BREAKER_SYNC_FAIL	R	NO ACCESS
2552	GROUP_BREAKER_FAIL_TO_CLOSE	R	NO ACCESS
2553	GROUP_BREAKER_FAIL_TO_OPEN	R	NO ACCESS
2554	GROUP_BREAKER_OK_TO_CLOSE	R	NO ACCESS
2555	GROUP_BREAKER_CONFIGURED	R	NO ACCESS
2556	GROUP_BREAKER_FAIL_TO_CLOSE_STATUS	R	NO ACCESS
2557	GROUP_BREAKER_FAIL_TO_OPEN_STATUS	R	NO ACCESS
2558	GROUP_BREAKER_OPEN_SETPOINT_REACHED	R	NO ACCESS
2559	TIE_BREAKER_BREAKER_STATUS	R	NO ACCESS
2560	TIE_BREAKER_SYNC_FAIL	R	NO ACCESS
2561	TIE_BREAKER_FAIL_TO_CLOSE	R	NO ACCESS
2562	TIE_BREAKER_FAIL_TO_OPEN	R	NO ACCESS
2563	TIE_BREAKER_OK_TO_CLOSE	R	NO ACCESS
2564	TIE_BREAKER_CONFIGURED	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2565	TIE BREAKER FAIL TO CLOSE STATUS	R	NO ACCESS
2566	TIE BREAKER FAIL TO OPEN STATUS	R	NO ACCESS
2567	TIE BREAKER OPEN SETPOINT REACHED	R	NO ACCESS
2568	BIASCONTROL MAINSCONTROLLERMISSINGPALM	R	NO ACCESS
2569	GENCONNECTION REVERSEROTATIONPALM	R	NO ACCESS
2570	BUS1 CONNECTION REVERSEROTATIONPALM	R	NO ACCESS
2571	BUS2 CONNECTION REVERSEROTATIONPALM	R	NO ACCESS
2572	BREAKER TABLE HANDLER MISSINGSYSTEMCOMP	R	NO ACCESS
2573	BREAKER TABLE HANDLER SEGMENTSUNREACHABLE	R	NO ACCESS
2574	BREAKER TABLE HANDLER CRITBREAKERMISSING	R	NO ACCESS
2575	BREAKER TABLE HANDLER BREAKERCONTROLGRANTED	R	NO ACCESS
2576	BREAKER TABLE HANDLER BREAKERCONTROLGRANTFAIL	R	NO ACCESS
2577	ALARMS ARP PING FAIL	R	NO ACCESS
2578	ECU CONFIG DEF_QUALITY_POOR_BP	R	NO ACCESS
2579	ECU CONFIG DEF_CONSUMPTION_INCORRECT_BP	R	NO ACCESS
2580	ECU CONFIG DEF_TAMPERING_BP	R	NO ACCESS
2581	TIE BREAKER 2 BREAKER STATUS	R	NO ACCESS
2582	TIE BREAKER 2 SYNC FAIL	R	NO ACCESS
2583	TIE BREAKER 2 FAIL TO CLOSE	R	NO ACCESS
2584	TIE BREAKER 2 FAIL TO OPEN	R	NO ACCESS
2585	TIE BREAKER 2 OK TO CLOSE	R	NO ACCESS
2586	TIE BREAKER 2 CONFIGURED	R	NO ACCESS
2587	TIE BREAKER 2 FAIL TO CLOSE STATUS	R	NO ACCESS
2588	TIE BREAKER 2 FAIL TO OPEN STATUS	R	NO ACCESS
2589	TIE BREAKER 2 OPEN SETPOINT_REACHED	R	NO ACCESS
2590	LCROUTPUTS OUTPUT 17	R	NO ACCESS
2591	LCROUTPUTS OUTPUT 18	R	NO ACCESS
2592	LCROUTPUTS OUTPUT 19	R	NO ACCESS
2593	LCROUTPUTS OUTPUT 20	R	NO ACCESS
2594	LCROUTPUTS OUTPUT 21	R	NO ACCESS
2595	LCROUTPUTS OUTPUT 22	R	NO ACCESS
2596	LCROUTPUTS OUTPUT 23	R	NO ACCESS
2597	LCROUTPUTS OUTPUT 24	R	NO ACCESS
2598	LCROUTPUTS OUTPUT 25	R	NO ACCESS
2599	LCROUTPUTS OUTPUT 26	R	NO ACCESS
2600	LCROUTPUTS OUTPUT 27	R	NO ACCESS
2601	LCROUTPUTS OUTPUT 28	R	NO ACCESS
2602	LCROUTPUTS OUTPUT 29	R	NO ACCESS
2603	LCROUTPUTS OUTPUT 30	R	NO ACCESS
2604	LCROUTPUTS OUTPUT 31	R	NO ACCESS
2605	LCROUTPUTS OUTPUT 32	R	NO ACCESS
2606	LCROUTPUTS OUTPUT 33	R	NO ACCESS
2607	LCROUTPUTS OUTPUT 34	R	NO ACCESS
2608	LCROUTPUTS OUTPUT 35	R	NO ACCESS
2609	LCROUTPUTS OUTPUT 36	R	NO ACCESS
2610	LCROUTPUTS OUTPUT 37	R	NO ACCESS
2611	LCROUTPUTS OUTPUT 38	R	NO ACCESS
2612	LCROUTPUTS OUTPUT 39	R	NO ACCESS
2613	LCROUTPUTS OUTPUT 40	R	NO ACCESS
2614	LCROUTPUTS OUTPUT 41	R	NO ACCESS
2615	LCROUTPUTS OUTPUT 42	R	NO ACCESS
2616	LCROUTPUTS OUTPUT 43	R	NO ACCESS
2617	LCROUTPUTS OUTPUT 44	R	NO ACCESS
2618	LCROUTPUTS OUTPUT 45	R	NO ACCESS
2619	LCROUTPUTS OUTPUT 46	R	NO ACCESS
2620	LCROUTPUTS OUTPUT 47	R	NO ACCESS
2621	LCROUTPUTS OUTPUT 48	R	NO ACCESS
2622	LCROUTPUTS OUTPUT 49	R	NO ACCESS
2623	LCROUTPUTS OUTPUT 50	R	NO ACCESS
2624	LCROUTPUTS OUTPUT 51	R	NO ACCESS
2625	LCROUTPUTS OUTPUT 52	R	NO ACCESS
2626	LCROUTPUTS OUTPUT 53	R	NO ACCESS
2627	LCROUTPUTS OUTPUT 54	R	NO ACCESS
2628	LCROUTPUTS OUTPUT 55	R	NO ACCESS
2629	LCROUTPUTS OUTPUT 56	R	NO ACCESS
2630	LCROUTPUTS OUTPUT 57	R	NO ACCESS
2631	LCROUTPUTS OUTPUT 58	R	NO ACCESS
2632	LCROUTPUTS OUTPUT 59	R	NO ACCESS
2633	LCROUTPUTS OUTPUT 60	R	NO ACCESS
2634	LCROUTPUTS OUTPUT 61	R	NO ACCESS
2635	LCROUTPUTS OUTPUT 62	R	NO ACCESS
2636	LCROUTPUTS OUTPUT 63	R	NO ACCESS
2637	LCROUTPUTS OUTPUT 64	R	NO ACCESS
2638	LOSS OF SENSING BLOCK	R	NO ACCESS
2639	LOSS OF SENSING PICKUP	R	NO ACCESS
2640	LOSS OF SENSING TRIP	R	NO ACCESS
2641	LOSS OF SENSING PREALARM	R	NO ACCESS
2642	LOSS OF SENSING ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2643	EDM BLOCK	R	NO ACCESS
2644	EDM PICKUP	R	NO ACCESS
2645	EDM TRIP	R	NO ACCESS
2646	EDM PREALARM	R	NO ACCESS
2647	EDM ALARM	R	NO ACCESS
2648	FIELD OVERVOLTAGE BLOCK	R	NO ACCESS
2649	FIELD OVERVOLTAGE PICKUP	R	NO ACCESS
2650	FIELD OVERVOLTAGE TRIP	R	NO ACCESS
2651	FIELD OVERVOLTAGE PREALARM	R	NO ACCESS
2652	FIELD OVERVOLTAGE ALARM	R	NO ACCESS
2653	VRM CONNECTED	R	NO ACCESS
2654	VRM COMMS FAILURE	R	NO ACCESS
2655	VRM RTD INPUT 1 OUT OF RANGE	R	NO ACCESS
2656	VRM RTD INPUT 1 OUT OF RANGE PREALARM	R	NO ACCESS
2657	VRM RTD INPUT 1 OUT OF RANGE ALARM	R	NO ACCESS
2658	VRM RTD INPUT 2 OUT OF RANGE	R	NO ACCESS
2659	VRM RTD INPUT 2 OUT OF RANGE PREALARM	R	NO ACCESS
2660	VRM RTD INPUT 2 OUT OF RANGE ALARM	R	NO ACCESS
2661	VRM RTD INPUT 3 OUT OF RANGE	R	NO ACCESS
2662	VRM RTD INPUT 3 OUT OF RANGE PREALARM	R	NO ACCESS
2663	VRM RTD INPUT 3 OUT OF RANGE ALARM	R	NO ACCESS
2664	VRM RTD INPUT 4 OUT OF RANGE	R	NO ACCESS
2665	VRM RTD INPUT 4 OUT OF RANGE PREALARM	R	NO ACCESS
2666	VRM RTD INPUT 4 OUT OF RANGE ALARM	R	NO ACCESS
2667	VRM RTD INPUT 5 OUT OF RANGE	R	NO ACCESS
2668	VRM RTD INPUT 5 OUT OF RANGE PREALARM	R	NO ACCESS
2669	VRM RTD INPUT 5 OUT OF RANGE ALARM	R	NO ACCESS
2670	VRM RTD INPUT 6 OUT OF RANGE	R	NO ACCESS
2671	VRM RTD INPUT 6 OUT OF RANGE PREALARM	R	NO ACCESS
2672	VRM RTD INPUT 6 OUT OF RANGE ALARM	R	NO ACCESS
2673	VRM RTD INPUT 7 OUT OF RANGE	R	NO ACCESS
2674	VRM RTD INPUT 7 OUT OF RANGE PREALARM	R	NO ACCESS
2675	VRM RTD INPUT 7 OUT OF RANGE ALARM	R	NO ACCESS
2676	VRM RTD INPUT 8 OUT OF RANGE	R	NO ACCESS
2677	VRM RTD INPUT 8 OUT OF RANGE PREALARM	R	NO ACCESS
2678	VRM RTD INPUT 8 OUT OF RANGE ALARM	R	NO ACCESS
2679	VRM UP RESET ALM	R	NO ACCESS
2680	VRM RTD PROTECTION 1 THRESH1 TRIP	R	NO ACCESS
2681	VRM RTD PROTECTION 1 THRESH1 PREALARM	R	NO ACCESS
2682	VRM RTD PROTECTION 1 THRESH1 ALARM	R	NO ACCESS
2683	VRM RTD PROTECTION 1 THRESH2 TRIP	R	NO ACCESS
2684	VRM RTD PROTECTION 1 THRESH2 PREALARM	R	NO ACCESS
2685	VRM RTD PROTECTION 1 THRESH2 ALARM	R	NO ACCESS
2686	VRM RTD PROTECTION 1 THRESH3 TRIP	R	NO ACCESS
2687	VRM RTD PROTECTION 1 THRESH3 PREALARM	R	NO ACCESS
2688	VRM RTD PROTECTION 1 THRESH3 ALARM	R	NO ACCESS
2689	VRM RTD PROTECTION 1 THRESH4 TRIP	R	NO ACCESS
2690	VRM RTD PROTECTION 1 THRESH4 PREALARM	R	NO ACCESS
2691	VRM RTD PROTECTION 1 THRESH4 ALARM	R	NO ACCESS
2692	VRM RTD PROTECTION 2 THRESH1 TRIP	R	NO ACCESS
2693	VRM RTD PROTECTION 2 THRESH1 PREALARM	R	NO ACCESS
2694	VRM RTD PROTECTION 2 THRESH1 ALARM	R	NO ACCESS
2695	VRM RTD PROTECTION 2 THRESH2 TRIP	R	NO ACCESS
2696	VRM RTD PROTECTION 2 THRESH2 PREALARM	R	NO ACCESS
2697	VRM RTD PROTECTION 2 THRESH2 ALARM	R	NO ACCESS
2698	VRM RTD PROTECTION 2 THRESH3 TRIP	R	NO ACCESS
2699	VRM RTD PROTECTION 2 THRESH3 PREALARM	R	NO ACCESS
2700	VRM RTD PROTECTION 2 THRESH3 ALARM	R	NO ACCESS
2701	VRM RTD PROTECTION 2 THRESH4 TRIP	R	NO ACCESS
2702	VRM RTD PROTECTION 2 THRESH4 PREALARM	R	NO ACCESS
2703	VRM RTD PROTECTION 2 THRESH4 ALARM	R	NO ACCESS
2704	VRM RTD PROTECTION 3 THRESH1 TRIP	R	NO ACCESS
2705	VRM RTD PROTECTION 3 THRESH1 PREALARM	R	NO ACCESS
2706	VRM RTD PROTECTION 3 THRESH1 ALARM	R	NO ACCESS
2707	VRM RTD PROTECTION 3 THRESH2 TRIP	R	NO ACCESS
2708	VRM RTD PROTECTION 3 THRESH2 PREALARM	R	NO ACCESS
2709	VRM RTD PROTECTION 3 THRESH2 ALARM	R	NO ACCESS
2710	VRM RTD PROTECTION 3 THRESH3 TRIP	R	NO ACCESS
2711	VRM RTD PROTECTION 3 THRESH3 PREALARM	R	NO ACCESS
2712	VRM RTD PROTECTION 3 THRESH3 ALARM	R	NO ACCESS
2713	VRM RTD PROTECTION 3 THRESH4 TRIP	R	NO ACCESS
2714	VRM RTD PROTECTION 3 THRESH4 PREALARM	R	NO ACCESS
2715	VRM RTD PROTECTION 3 THRESH4 ALARM	R	NO ACCESS
2716	VRM RTD PROTECTION 4 THRESH1 TRIP	R	NO ACCESS
2717	VRM RTD PROTECTION 4 THRESH1 PREALARM	R	NO ACCESS
2718	VRM RTD PROTECTION 4 THRESH1 ALARM	R	NO ACCESS
2719	VRM RTD PROTECTION 4 THRESH2 TRIP	R	NO ACCESS
2720	VRM RTD PROTECTION 4 THRESH2 PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2721	VRM RTD PROTECTION 4 THRESH2 ALARM	R	NO ACCESS
2722	VRM RTD PROTECTION 4 THRESH3 TRIP	R	NO ACCESS
2723	VRM RTD PROTECTION 4 THRESH3 PREALARM	R	NO ACCESS
2724	VRM RTD PROTECTION 4 THRESH3 ALARM	R	NO ACCESS
2725	VRM RTD PROTECTION 4 THRESH4 TRIP	R	NO ACCESS
2726	VRM RTD PROTECTION 4 THRESH4 PREALARM	R	NO ACCESS
2727	VRM RTD PROTECTION 4 THRESH4 ALARM	R	NO ACCESS
2728	VRM RTD PROTECTION 5 THRESH1 TRIP	R	NO ACCESS
2729	VRM RTD PROTECTION 5 THRESH1 PREALARM	R	NO ACCESS
2730	VRM RTD PROTECTION 5 THRESH1 ALARM	R	NO ACCESS
2731	VRM RTD PROTECTION 5 THRESH2 TRIP	R	NO ACCESS
2732	VRM RTD PROTECTION 5 THRESH2 PREALARM	R	NO ACCESS
2733	VRM RTD PROTECTION 5 THRESH2 ALARM	R	NO ACCESS
2734	VRM RTD PROTECTION 5 THRESH3 TRIP	R	NO ACCESS
2735	VRM RTD PROTECTION 5 THRESH3 PREALARM	R	NO ACCESS
2736	VRM RTD PROTECTION 5 THRESH3 ALARM	R	NO ACCESS
2737	VRM RTD PROTECTION 5 THRESH4 TRIP	R	NO ACCESS
2738	VRM RTD PROTECTION 5 THRESH4 PREALARM	R	NO ACCESS
2739	VRM RTD PROTECTION 5 THRESH4 ALARM	R	NO ACCESS
2740	VRM RTD PROTECTION 6 THRESH1 TRIP	R	NO ACCESS
2741	VRM RTD PROTECTION 6 THRESH1 PREALARM	R	NO ACCESS
2742	VRM RTD PROTECTION 6 THRESH1 ALARM	R	NO ACCESS
2743	VRM RTD PROTECTION 6 THRESH2 TRIP	R	NO ACCESS
2744	VRM RTD PROTECTION 6 THRESH2 PREALARM	R	NO ACCESS
2745	VRM RTD PROTECTION 6 THRESH2 ALARM	R	NO ACCESS
2746	VRM RTD PROTECTION 6 THRESH3 TRIP	R	NO ACCESS
2747	VRM RTD PROTECTION 6 THRESH3 PREALARM	R	NO ACCESS
2748	VRM RTD PROTECTION 6 THRESH3 ALARM	R	NO ACCESS
2749	VRM RTD PROTECTION 6 THRESH4 TRIP	R	NO ACCESS
2750	VRM RTD PROTECTION 6 THRESH4 PREALARM	R	NO ACCESS
2751	VRM RTD PROTECTION 6 THRESH4 ALARM	R	NO ACCESS
2752	VRM RTD PROTECTION 7 THRESH1 TRIP	R	NO ACCESS
2753	VRM RTD PROTECTION 7 THRESH1 PREALARM	R	NO ACCESS
2754	VRM RTD PROTECTION 7 THRESH1 ALARM	R	NO ACCESS
2755	VRM RTD PROTECTION 7 THRESH2 TRIP	R	NO ACCESS
2756	VRM RTD PROTECTION 7 THRESH2 PREALARM	R	NO ACCESS
2757	VRM RTD PROTECTION 7 THRESH2 ALARM	R	NO ACCESS
2758	VRM RTD PROTECTION 7 THRESH3 TRIP	R	NO ACCESS
2759	VRM RTD PROTECTION 7 THRESH3 PREALARM	R	NO ACCESS
2760	VRM RTD PROTECTION 7 THRESH3 ALARM	R	NO ACCESS
2761	VRM RTD PROTECTION 7 THRESH4 TRIP	R	NO ACCESS
2762	VRM RTD PROTECTION 7 THRESH4 PREALARM	R	NO ACCESS
2763	VRM RTD PROTECTION 7 THRESH4 ALARM	R	NO ACCESS
2764	VRM RTD PROTECTION 8 THRESH1 TRIP	R	NO ACCESS
2765	VRM RTD PROTECTION 8 THRESH1 PREALARM	R	NO ACCESS
2766	VRM RTD PROTECTION 8 THRESH1 ALARM	R	NO ACCESS
2767	VRM RTD PROTECTION 8 THRESH2 TRIP	R	NO ACCESS
2768	VRM RTD PROTECTION 8 THRESH2 PREALARM	R	NO ACCESS
2769	VRM RTD PROTECTION 8 THRESH2 ALARM	R	NO ACCESS
2770	VRM RTD PROTECTION 8 THRESH3 TRIP	R	NO ACCESS
2771	VRM RTD PROTECTION 8 THRESH3 PREALARM	R	NO ACCESS
2772	VRM RTD PROTECTION 8 THRESH3 ALARM	R	NO ACCESS
2773	VRM RTD PROTECTION 8 THRESH4 TRIP	R	NO ACCESS
2774	VRM RTD PROTECTION 8 THRESH4 PREALARM	R	NO ACCESS
2775	VRM RTD PROTECTION 8 THRESH4 ALARM	R	NO ACCESS
2776	GENSETCONTROLLER ENGINE RUNNING	R	NO ACCESS
2777	ECU CONFIG DEF SEVERE INDUCEMENT ALARM	R	NO ACCESS
2778	VRMCONTROLLERSETTINGS OEL DISABLE	R	NO ACCESS
2779	VRMCONTROLLERSETTINGS OEL ONLINE	R	NO ACCESS
2780	VRMCONTROLLERSETTINGS OEL DISABLED IN MANUAL MODE	R	NO ACCESS
2781	VRMCONTROLLERSETTINGS UEL DISABLE	R	NO ACCESS
2782	VRMCONTROLLERSETTINGS UEL DISABLED IN MANUAL MODE	R	NO ACCESS
2783	VRMCONTROLLERSETTINGS DROOP DISABLE	R	NO ACCESS
2784	VRMCONTROLLERSETTINGS LINE DROP DISABLE	R	NO ACCESS
2785	VRMCONTROLLERSETTINGS INT TRACKING DISABLE	R	NO ACCESS
2786	VRMCONTROLLERSETTINGS AVR RAISE	R	NO ACCESS
2787	VRMCONTROLLERSETTINGS AVR LOWER	R	NO ACCESS
2788	VRMCONTROLLERSETTINGS AVR PREPOSITION 1 ENABLE	R	NO ACCESS
2789	VRMCONTROLLERSETTINGS AVR PREPOSITION 2 ENABLE	R	NO ACCESS
2790	VRMCONTROLLERSETTINGS AVR PREPOSITION 3 ENABLE	R	NO ACCESS
2791	VRMCONTROLLERSETTINGS AVR PREPOSITION 4 ENABLE	R	NO ACCESS
2792	VRMCONTROLLERSETTINGS AVR PREPOSITION 5 ENABLE	R	NO ACCESS
2793	VRMCONTROLLERSETTINGS FCR RAISE	R	NO ACCESS
2794	VRMCONTROLLERSETTINGS FCR LOWER	R	NO ACCESS
2795	VRMCONTROLLERSETTINGS FCR PREPOSITION 1 ENABLE	R	NO ACCESS
2796	VRMCONTROLLERSETTINGS FCR PREPOSITION 2 ENABLE	R	NO ACCESS
2797	VRMCONTROLLERSETTINGS FCR PREPOSITION 3 ENABLE	R	NO ACCESS
2798	VRMCONTROLLERSETTINGS FCR PREPOSITION 4 ENABLE	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2799	VRMCONTROLLERSETTINGS_FCR_PREPOSITION_5_ENABLE	R	NO ACCESS
2800	VRMCONTROLLERSETTINGS_OEL_ACTIVE	R	NO ACCESS
2801	VRMCONTROLLERSETTINGS_UEL_ACTIVE	R	NO ACCESS
2802	VRMCONTROLLERSETTINGS_UNDERFREQUENCY_ACTIVE	R	NO ACCESS
2803	VRMCONTROLLERSETTINGS_SETPOINT_UPPER_LIMIT	R	NO ACCESS
2804	VRMCONTROLLERSETTINGS_SETPOINT_LOWER_LIMIT	R	NO ACCESS
2805	VRMCONTROLLERSETTINGS_PREPOSITION_1_ACTIVE	R	NO ACCESS
2806	VRMCONTROLLERSETTINGS_PREPOSITION_2_ACTIVE	R	NO ACCESS
2807	VRMCONTROLLERSETTINGS_PREPOSITION_3_ACTIVE	R	NO ACCESS
2808	VRMCONTROLLERSETTINGS_PREPOSITION_4_ACTIVE	R	NO ACCESS
2809	VRMCONTROLLERSETTINGS_PREPOSITION_5_ACTIVE	R	NO ACCESS
2810	VRMCONTROLLERSETTINGS_SOFT_START_ACTIVE	R	NO ACCESS
2811	VRMCONTROLLERSETTINGS_START_REGULATOR	R	NO ACCESS
2812	VRMCONTROLLERSETTINGS_STOP_REGULATOR	R	NO ACCESS
2813	VRMCONTROLLERSETTINGS_REGULATOR_STARTED	R	NO ACCESS
2814	VRMCONTROLLERSETTINGS_UNDERFREQUENCY_VHZ_DISABLE	R	NO ACCESS
2815	VRMCONTROLLERSETTINGS_GENBELOW10HZ	R	NO ACCESS
2816	VRMCONTROLLERSETTINGS_AVR_ENABLE	R	NO ACCESS
2817	VRMCONTROLLERSETTINGS_FCR_ENABLE	R	NO ACCESS
2818	VRMCONTROLLERSETTINGS_CROWBARACTIVATED	R	NO ACCESS
2819	VRMCONTROLLERSETTINGS_FIELDSHORTCIRCUITSTATUS	R	NO ACCESS
2820	VRMCONTROLLERSETTINGS_GENBELOW10HZPREALARM	R	NO ACCESS
2821	VRMCONTROLLERSETTINGS_NULLBALANCE	R	NO ACCESS
2822	VRMCONTROLLERSETTINGS_AVR_ACTIVE	R	NO ACCESS
2823	VRMCONTROLLERSETTINGS_FCR_ACTIVE	R	NO ACCESS
2824	OEL_ALARM	R	NO ACCESS
2825	OEL_PREALARM	R	NO ACCESS
2826	UEL_ALARM	R	NO ACCESS
2827	UEL_PREALARM	R	NO ACCESS
2828	V/HZ_LIMIT_ALARM	R	NO ACCESS
2829	V/HZ_LIMIT_PREALARM	R	NO ACCESS
2830	LOAD_SHEDDING_LOADADDDDEMANDSTART	R	NO ACCESS
2831	LOAD_SHEDDING_PRIORITY1LOADENABLED	R	NO ACCESS
2832	LOAD_SHEDDING_PRIORITY2LOADENABLED	R	NO ACCESS
2833	LOAD_SHEDDING_PRIORITY3LOADENABLED	R	NO ACCESS
2834	LOAD_SHEDDING_PRIORITY4LOADENABLED	R	NO ACCESS
2835	LOAD_SHEDDING_PRIORITY5LOADENABLED	R	NO ACCESS
2836	LOAD_SHEDDING_PRIORITY6LOADENABLED	R	NO ACCESS
2837	LOAD_SHEDDING_PRIORITY7LOADENABLED	R	NO ACCESS
2838	LOAD_SHEDDING_PRIORITY8LOADENABLED	R	NO ACCESS
2839	LOAD_SHEDDING_PRIORITY9LOADENABLED	R	NO ACCESS
2840	LOAD_SHEDDING_PRIORITY10LOADENABLED	R	NO ACCESS
2841	LOAD_SHEDDING_PRIORITY11LOADENABLED	R	NO ACCESS
2842	LOAD_SHEDDING_PRIORITY12LOADENABLED	R	NO ACCESS
2843	LOAD_SHEDDING_PRIORITY13LOADENABLED	R	NO ACCESS
2844	LOAD_SHEDDING_PRIORITY14LOADENABLED	R	NO ACCESS
2845	LOAD_SHEDDING_PRIORITY15LOADENABLED	R	NO ACCESS
2846	LOAD_SHEDDING_PRIORITY16LOADENABLED	R	NO ACCESS
2847	LOAD_SHEDDING_PRIORITY17LOADENABLED	R	NO ACCESS
2848	LOAD_SHEDDING_PRIORITY18LOADENABLED	R	NO ACCESS
2849	LOAD_SHEDDING_PRIORITY19LOADENABLED	R	NO ACCESS
2850	LOAD_SHEDDING_PRIORITY20LOADENABLED	R	NO ACCESS
2851	LOAD_SHEDDING_PRIORITY21LOADENABLED	R	NO ACCESS
2852	LOAD_SHEDDING_PRIORITY22LOADENABLED	R	NO ACCESS
2853	LOAD_SHEDDING_PRIORITY23LOADENABLED	R	NO ACCESS
2854	LOAD_SHEDDING_PRIORITY24LOADENABLED	R	NO ACCESS
2855	LOAD_SHEDDING_PRIORITY25LOADENABLED	R	NO ACCESS
2856	LOAD_SHEDDING_PRIORITY26LOADENABLED	R	NO ACCESS
2857	LOAD_SHEDDING_PRIORITY27LOADENABLED	R	NO ACCESS
2858	LOAD_SHEDDING_PRIORITY28LOADENABLED	R	NO ACCESS
2859	LOAD_SHEDDING_PRIORITY29LOADENABLED	R	NO ACCESS
2860	LOAD_SHEDDING_PRIORITY30LOADENABLED	R	NO ACCESS
2861	LOAD_SHEDDING_PRIORITY31LOADENABLED	R	NO ACCESS
2862	LOAD_SHEDDING_PRIORITY32LOADENABLED	R	NO ACCESS
2863	LOAD_SHEDDING_PRIORITY33LOADENABLED	R	NO ACCESS
2864	LOAD_SHEDDING_PRIORITY34LOADENABLED	R	NO ACCESS
2865	LOAD_SHEDDING_PRIORITY35LOADENABLED	R	NO ACCESS
2866	LOAD_SHEDDING_PRIORITY36LOADENABLED	R	NO ACCESS
2867	LOAD_SHEDDING_PRIORITY37LOADENABLED	R	NO ACCESS
2868	LOAD_SHEDDING_PRIORITY38LOADENABLED	R	NO ACCESS
2869	LOAD_SHEDDING_PRIORITY39LOADENABLED	R	NO ACCESS
2870	LOAD_SHEDDING_PRIORITY40LOADENABLED	R	NO ACCESS
2871	LOAD_SHEDDING_PRIORITY41LOADENABLED	R	NO ACCESS
2872	LOAD_SHEDDING_PRIORITY42LOADENABLED	R	NO ACCESS
2873	LOAD_SHEDDING_PRIORITY43LOADENABLED	R	NO ACCESS
2874	LOAD_SHEDDING_PRIORITY44LOADENABLED	R	NO ACCESS
2875	LOAD_SHEDDING_PRIORITY45LOADENABLED	R	NO ACCESS
2876	LOAD_SHEDDING_PRIORITY46LOADENABLED	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2877	LOAD_SHEDDING_PRIORITY47LOADENABLED	R	NO ACCESS
2878	LOAD_SHEDDING_PRIORITY48LOADENABLED	R	NO ACCESS
2879	LOAD_SHEDDING_PRIORITY49LOADENABLED	R	NO ACCESS
2880	LOAD_SHEDDING_PRIORITY50LOADENABLED	R	NO ACCESS
2881	LOAD_SHEDDING_PRIORITY51LOADENABLED	R	NO ACCESS
2882	LOAD_SHEDDING_PRIORITY52LOADENABLED	R	NO ACCESS
2883	LOAD_SHEDDING_PRIORITY53LOADENABLED	R	NO ACCESS
2884	LOAD_SHEDDING_PRIORITY54LOADENABLED	R	NO ACCESS
2885	LOAD_SHEDDING_PRIORITY55LOADENABLED	R	NO ACCESS
2886	LOAD_SHEDDING_PRIORITY56LOADENABLED	R	NO ACCESS
2887	LOAD_SHEDDING_PRIORITY57LOADENABLED	R	NO ACCESS
2888	LOAD_SHEDDING_PRIORITY58LOADENABLED	R	NO ACCESS
2889	LOAD_SHEDDING_PRIORITY59LOADENABLED	R	NO ACCESS
2890	LOAD_SHEDDING_PRIORITY60LOADENABLED	R	NO ACCESS
2891	LOAD_SHEDDING_PRIORITY61LOADENABLED	R	NO ACCESS
2892	LOAD_SHEDDING_PRIORITY62LOADENABLED	R	NO ACCESS
2893	LOAD_SHEDDING_PRIORITY63LOADENABLED	R	NO ACCESS
2894	LOAD_SHEDDING_PRIORITY64LOADENABLED	R	NO ACCESS
2895	BROADCAST_LOGIC_LOCAL_STATUS_1	R	NO ACCESS
2896	BROADCAST_LOGIC_LOCAL_STATUS_2	R	NO ACCESS
2897	BROADCAST_LOGIC_LOCAL_STATUS_3	R	NO ACCESS
2898	BROADCAST_LOGIC_LOCAL_STATUS_4	R	NO ACCESS
2899	BROADCAST_LOGIC_LOCAL_STATUS_5	R	NO ACCESS
2900	BROADCAST_LOGIC_LOCAL_STATUS_6	R	NO ACCESS
2901	BROADCAST_LOGIC_LOCAL_STATUS_7	R	NO ACCESS
2902	BROADCAST_LOGIC_LOCAL_STATUS_8	R	NO ACCESS
2903	BROADCAST_LOGIC_LOCAL_STATUS_9	R	NO ACCESS
2904	BROADCAST_LOGIC_LOCAL_STATUS_10	R	NO ACCESS
2905	BROADCAST_LOGIC_LOCAL_STATUS_11	R	NO ACCESS
2906	BROADCAST_LOGIC_LOCAL_STATUS_12	R	NO ACCESS
2907	BROADCAST_LOGIC_LOCAL_STATUS_13	R	NO ACCESS
2908	BROADCAST_LOGIC_LOCAL_STATUS_14	R	NO ACCESS
2909	BROADCAST_LOGIC_LOCAL_STATUS_15	R	NO ACCESS
2910	BROADCAST_LOGIC_LOCAL_STATUS_16	R	NO ACCESS
2911	BROADCAST_LOGIC_LOCAL_STATUS_17	R	NO ACCESS
2912	BROADCAST_LOGIC_LOCAL_STATUS_18	R	NO ACCESS
2913	BROADCAST_LOGIC_LOCAL_STATUS_19	R	NO ACCESS
2914	BROADCAST_LOGIC_LOCAL_STATUS_20	R	NO ACCESS
2915	BROADCAST_LOGIC_LOCAL_STATUS_21	R	NO ACCESS
2916	BROADCAST_LOGIC_LOCAL_STATUS_22	R	NO ACCESS
2917	BROADCAST_LOGIC_LOCAL_STATUS_23	R	NO ACCESS
2918	BROADCAST_LOGIC_LOCAL_STATUS_24	R	NO ACCESS
2919	BROADCAST_LOGIC_LOCAL_STATUS_25	R	NO ACCESS
2920	BROADCAST_LOGIC_LOCAL_STATUS_26	R	NO ACCESS
2921	BROADCAST_LOGIC_LOCAL_STATUS_27	R	NO ACCESS
2922	BROADCAST_LOGIC_LOCAL_STATUS_28	R	NO ACCESS
2923	BROADCAST_LOGIC_LOCAL_STATUS_29	R	NO ACCESS
2924	BROADCAST_LOGIC_LOCAL_STATUS_30	R	NO ACCESS
2925	BROADCAST_LOGIC_LOCAL_STATUS_31	R	NO ACCESS
2926	BROADCAST_LOGIC_LOCAL_STATUS_32	R	NO ACCESS
2927	BROADCAST_LOGIC_LOCAL_STATUS_33	R	NO ACCESS
2928	BROADCAST_LOGIC_LOCAL_STATUS_34	R	NO ACCESS
2929	BROADCAST_LOGIC_LOCAL_STATUS_35	R	NO ACCESS
2930	BROADCAST_LOGIC_LOCAL_STATUS_36	R	NO ACCESS
2931	BROADCAST_LOGIC_LOCAL_STATUS_37	R	NO ACCESS
2932	BROADCAST_LOGIC_LOCAL_STATUS_38	R	NO ACCESS
2933	BROADCAST_LOGIC_LOCAL_STATUS_39	R	NO ACCESS
2934	BROADCAST_LOGIC_LOCAL_STATUS_40	R	NO ACCESS
2935	BROADCAST_LOGIC_LOCAL_STATUS_41	R	NO ACCESS
2936	BROADCAST_LOGIC_LOCAL_STATUS_42	R	NO ACCESS
2937	BROADCAST_LOGIC_LOCAL_STATUS_43	R	NO ACCESS
2938	BROADCAST_LOGIC_LOCAL_STATUS_44	R	NO ACCESS
2939	BROADCAST_LOGIC_LOCAL_STATUS_45	R	NO ACCESS
2940	BROADCAST_LOGIC_LOCAL_STATUS_46	R	NO ACCESS
2941	BROADCAST_LOGIC_LOCAL_STATUS_47	R	NO ACCESS
2942	BROADCAST_LOGIC_LOCAL_STATUS_48	R	NO ACCESS
2943	BROADCAST_LOGIC_LOCAL_STATUS_49	R	NO ACCESS
2944	BROADCAST_LOGIC_LOCAL_STATUS_50	R	NO ACCESS
2945	BROADCAST_LOGIC_LOCAL_STATUS_51	R	NO ACCESS
2946	BROADCAST_LOGIC_LOCAL_STATUS_52	R	NO ACCESS
2947	BROADCAST_LOGIC_LOCAL_STATUS_53	R	NO ACCESS
2948	BROADCAST_LOGIC_LOCAL_STATUS_54	R	NO ACCESS
2949	BROADCAST_LOGIC_LOCAL_STATUS_55	R	NO ACCESS
2950	BROADCAST_LOGIC_LOCAL_STATUS_56	R	NO ACCESS
2951	BROADCAST_LOGIC_LOCAL_STATUS_57	R	NO ACCESS
2952	BROADCAST_LOGIC_LOCAL_STATUS_58	R	NO ACCESS
2953	BROADCAST_LOGIC_LOCAL_STATUS_59	R	NO ACCESS
2954	BROADCAST_LOGIC_LOCAL_STATUS_60	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
2955	BROADCAST LOGIC LOCAL STATUS 61	R	NO ACCESS
2956	BROADCAST LOGIC LOCAL STATUS 62	R	NO ACCESS
2957	BROADCAST LOGIC LOCAL STATUS 63	R	NO ACCESS
2958	BROADCAST LOGIC LOCAL STATUS 64	R	NO ACCESS
2959	BROADCAST LOGIC LOCAL STATUS 65	R	NO ACCESS
2960	BROADCAST LOGIC LOCAL STATUS 66	R	NO ACCESS
2961	BROADCAST LOGIC LOCAL STATUS 67	R	NO ACCESS
2962	BROADCAST LOGIC LOCAL STATUS 68	R	NO ACCESS
2963	BROADCAST LOGIC LOCAL STATUS 69	R	NO ACCESS
2964	BROADCAST LOGIC LOCAL STATUS 70	R	NO ACCESS
2965	BROADCAST LOGIC LOCAL STATUS 71	R	NO ACCESS
2966	BROADCAST LOGIC LOCAL STATUS 72	R	NO ACCESS
2967	BROADCAST LOGIC LOCAL STATUS 73	R	NO ACCESS
2968	BROADCAST LOGIC LOCAL STATUS 74	R	NO ACCESS
2969	BROADCAST LOGIC LOCAL STATUS 75	R	NO ACCESS
2970	BROADCAST LOGIC LOCAL STATUS 76	R	NO ACCESS
2971	BROADCAST LOGIC LOCAL STATUS 77	R	NO ACCESS
2972	BROADCAST LOGIC LOCAL STATUS 78	R	NO ACCESS
2973	BROADCAST LOGIC LOCAL STATUS 79	R	NO ACCESS
2974	BROADCAST LOGIC LOCAL STATUS 80	R	NO ACCESS
2975	BROADCAST LOGIC LOCAL STATUS 81	R	NO ACCESS
2976	BROADCAST LOGIC LOCAL STATUS 82	R	NO ACCESS
2977	BROADCAST LOGIC LOCAL STATUS 83	R	NO ACCESS
2978	BROADCAST LOGIC LOCAL STATUS 84	R	NO ACCESS
2979	BROADCAST LOGIC LOCAL STATUS 85	R	NO ACCESS
2980	BROADCAST LOGIC LOCAL STATUS 86	R	NO ACCESS
2981	BROADCAST LOGIC LOCAL STATUS 87	R	NO ACCESS
2982	BROADCAST LOGIC LOCAL STATUS 88	R	NO ACCESS
2983	BROADCAST LOGIC LOCAL STATUS 89	R	NO ACCESS
2984	BROADCAST LOGIC LOCAL STATUS 90	R	NO ACCESS
2985	BROADCAST LOGIC LOCAL STATUS 91	R	NO ACCESS
2986	BROADCAST LOGIC LOCAL STATUS 92	R	NO ACCESS
2987	BROADCAST LOGIC LOCAL STATUS 93	R	NO ACCESS
2988	BROADCAST LOGIC LOCAL STATUS 94	R	NO ACCESS
2989	BROADCAST LOGIC LOCAL STATUS 95	R	NO ACCESS
2990	BROADCAST LOGIC LOCAL STATUS 96	R	NO ACCESS
2991	BROADCAST LOGIC LOCAL STATUS 97	R	NO ACCESS
2992	BROADCAST LOGIC LOCAL STATUS 98	R	NO ACCESS
2993	BROADCAST LOGIC LOCAL STATUS 99	R	NO ACCESS
2994	BROADCAST LOGIC LOCAL STATUS 100	R	NO ACCESS
2995	BROADCAST LOGIC LOCAL STATUS 101	R	NO ACCESS
2996	BROADCAST LOGIC LOCAL STATUS 102	R	NO ACCESS
2997	BROADCAST LOGIC LOCAL STATUS 103	R	NO ACCESS
2998	BROADCAST LOGIC LOCAL STATUS 104	R	NO ACCESS
2999	BROADCAST LOGIC LOCAL STATUS 105	R	NO ACCESS
3000	BROADCAST LOGIC LOCAL STATUS 106	R	NO ACCESS
3001	BROADCAST LOGIC LOCAL STATUS 107	R	NO ACCESS
3002	BROADCAST LOGIC LOCAL STATUS 108	R	NO ACCESS
3003	BROADCAST LOGIC LOCAL STATUS 109	R	NO ACCESS
3004	BROADCAST LOGIC LOCAL STATUS 110	R	NO ACCESS
3005	BROADCAST LOGIC LOCAL STATUS 111	R	NO ACCESS
3006	BROADCAST LOGIC LOCAL STATUS 112	R	NO ACCESS
3007	BROADCAST LOGIC LOCAL STATUS 113	R	NO ACCESS
3008	BROADCAST LOGIC LOCAL STATUS 114	R	NO ACCESS
3009	BROADCAST LOGIC LOCAL STATUS 115	R	NO ACCESS
3010	BROADCAST LOGIC LOCAL STATUS 116	R	NO ACCESS
3011	BROADCAST LOGIC LOCAL STATUS 117	R	NO ACCESS
3012	BROADCAST LOGIC LOCAL STATUS 118	R	NO ACCESS
3013	BROADCAST LOGIC LOCAL STATUS 119	R	NO ACCESS
3014	BROADCAST LOGIC LOCAL STATUS 120	R	NO ACCESS
3015	BROADCAST LOGIC LOCAL STATUS 121	R	NO ACCESS
3016	BROADCAST LOGIC LOCAL STATUS 122	R	NO ACCESS
3017	BROADCAST LOGIC LOCAL STATUS 123	R	NO ACCESS
3018	BROADCAST LOGIC LOCAL STATUS 124	R	NO ACCESS
3019	BROADCAST LOGIC LOCAL STATUS 125	R	NO ACCESS
3020	BROADCAST LOGIC LOCAL STATUS 126	R	NO ACCESS
3021	BROADCAST LOGIC LOCAL STATUS 127	R	NO ACCESS
3022	BROADCAST LOGIC LOCAL STATUS 128	R	NO ACCESS
3023	BROADCAST LOGIC AND OUTPUT 1	R	NO ACCESS
3024	BROADCAST LOGIC AND OUTPUT 2	R	NO ACCESS
3025	BROADCAST LOGIC AND OUTPUT 3	R	NO ACCESS
3026	BROADCAST LOGIC AND OUTPUT 4	R	NO ACCESS
3027	BROADCAST LOGIC AND OUTPUT 5	R	NO ACCESS
3028	BROADCAST LOGIC AND OUTPUT 6	R	NO ACCESS
3029	BROADCAST LOGIC AND OUTPUT 7	R	NO ACCESS
3030	BROADCAST LOGIC AND OUTPUT 8	R	NO ACCESS
3031	BROADCAST LOGIC AND OUTPUT 9	R	NO ACCESS
3032	BROADCAST LOGIC AND OUTPUT 10	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3033	BROADCAST LOGIC AND OUTPUT 11	R	NO ACCESS
3034	BROADCAST LOGIC AND OUTPUT 12	R	NO ACCESS
3035	BROADCAST LOGIC AND OUTPUT 13	R	NO ACCESS
3036	BROADCAST LOGIC AND OUTPUT 14	R	NO ACCESS
3037	BROADCAST LOGIC AND OUTPUT 15	R	NO ACCESS
3038	BROADCAST LOGIC AND OUTPUT 16	R	NO ACCESS
3039	BROADCAST LOGIC AND OUTPUT 17	R	NO ACCESS
3040	BROADCAST LOGIC AND OUTPUT 18	R	NO ACCESS
3041	BROADCAST LOGIC AND OUTPUT 19	R	NO ACCESS
3042	BROADCAST LOGIC AND OUTPUT 20	R	NO ACCESS
3043	BROADCAST LOGIC AND OUTPUT 21	R	NO ACCESS
3044	BROADCAST LOGIC AND OUTPUT 22	R	NO ACCESS
3045	BROADCAST LOGIC AND OUTPUT 23	R	NO ACCESS
3046	BROADCAST LOGIC AND OUTPUT 24	R	NO ACCESS
3047	BROADCAST LOGIC AND OUTPUT 25	R	NO ACCESS
3048	BROADCAST LOGIC AND OUTPUT 26	R	NO ACCESS
3049	BROADCAST LOGIC AND OUTPUT 27	R	NO ACCESS
3050	BROADCAST LOGIC AND OUTPUT 28	R	NO ACCESS
3051	BROADCAST LOGIC AND OUTPUT 29	R	NO ACCESS
3052	BROADCAST LOGIC AND OUTPUT 30	R	NO ACCESS
3053	BROADCAST LOGIC AND OUTPUT 31	R	NO ACCESS
3054	BROADCAST LOGIC AND OUTPUT 32	R	NO ACCESS
3055	BROADCAST LOGIC AND OUTPUT 33	R	NO ACCESS
3056	BROADCAST LOGIC AND OUTPUT 34	R	NO ACCESS
3057	BROADCAST LOGIC AND OUTPUT 35	R	NO ACCESS
3058	BROADCAST LOGIC AND OUTPUT 36	R	NO ACCESS
3059	BROADCAST LOGIC AND OUTPUT 37	R	NO ACCESS
3060	BROADCAST LOGIC AND OUTPUT 38	R	NO ACCESS
3061	BROADCAST LOGIC AND OUTPUT 39	R	NO ACCESS
3062	BROADCAST LOGIC AND OUTPUT 40	R	NO ACCESS
3063	BROADCAST LOGIC AND OUTPUT 41	R	NO ACCESS
3064	BROADCAST LOGIC AND OUTPUT 42	R	NO ACCESS
3065	BROADCAST LOGIC AND OUTPUT 43	R	NO ACCESS
3066	BROADCAST LOGIC AND OUTPUT 44	R	NO ACCESS
3067	BROADCAST LOGIC AND OUTPUT 45	R	NO ACCESS
3068	BROADCAST LOGIC AND OUTPUT 46	R	NO ACCESS
3069	BROADCAST LOGIC AND OUTPUT 47	R	NO ACCESS
3070	BROADCAST LOGIC AND OUTPUT 48	R	NO ACCESS
3071	BROADCAST LOGIC AND OUTPUT 49	R	NO ACCESS
3072	BROADCAST LOGIC AND OUTPUT 50	R	NO ACCESS
3073	BROADCAST LOGIC AND OUTPUT 51	R	NO ACCESS
3074	BROADCAST LOGIC AND OUTPUT 52	R	NO ACCESS
3075	BROADCAST LOGIC AND OUTPUT 53	R	NO ACCESS
3076	BROADCAST LOGIC AND OUTPUT 54	R	NO ACCESS
3077	BROADCAST LOGIC AND OUTPUT 55	R	NO ACCESS
3078	BROADCAST LOGIC AND OUTPUT 56	R	NO ACCESS
3079	BROADCAST LOGIC AND OUTPUT 57	R	NO ACCESS
3080	BROADCAST LOGIC AND OUTPUT 58	R	NO ACCESS
3081	BROADCAST LOGIC AND OUTPUT 59	R	NO ACCESS
3082	BROADCAST LOGIC AND OUTPUT 60	R	NO ACCESS
3083	BROADCAST LOGIC AND OUTPUT 61	R	NO ACCESS
3084	BROADCAST LOGIC AND OUTPUT 62	R	NO ACCESS
3085	BROADCAST LOGIC AND OUTPUT 63	R	NO ACCESS
3086	BROADCAST LOGIC AND OUTPUT 64	R	NO ACCESS
3087	BROADCAST LOGIC AND OUTPUT 65	R	NO ACCESS
3088	BROADCAST LOGIC AND OUTPUT 66	R	NO ACCESS
3089	BROADCAST LOGIC AND OUTPUT 67	R	NO ACCESS
3090	BROADCAST LOGIC AND OUTPUT 68	R	NO ACCESS
3091	BROADCAST LOGIC AND OUTPUT 69	R	NO ACCESS
3092	BROADCAST LOGIC AND OUTPUT 70	R	NO ACCESS
3093	BROADCAST LOGIC AND OUTPUT 71	R	NO ACCESS
3094	BROADCAST LOGIC AND OUTPUT 72	R	NO ACCESS
3095	BROADCAST LOGIC AND OUTPUT 73	R	NO ACCESS
3096	BROADCAST LOGIC AND OUTPUT 74	R	NO ACCESS
3097	BROADCAST LOGIC AND OUTPUT 75	R	NO ACCESS
3098	BROADCAST LOGIC AND OUTPUT 76	R	NO ACCESS
3099	BROADCAST LOGIC AND OUTPUT 77	R	NO ACCESS
3100	BROADCAST LOGIC AND OUTPUT 78	R	NO ACCESS
3101	BROADCAST LOGIC AND OUTPUT 79	R	NO ACCESS
3102	BROADCAST LOGIC AND OUTPUT 80	R	NO ACCESS
3103	BROADCAST LOGIC AND OUTPUT 81	R	NO ACCESS
3104	BROADCAST LOGIC AND OUTPUT 82	R	NO ACCESS
3105	BROADCAST LOGIC AND OUTPUT 83	R	NO ACCESS
3106	BROADCAST LOGIC AND OUTPUT 84	R	NO ACCESS
3107	BROADCAST LOGIC AND OUTPUT 85	R	NO ACCESS
3108	BROADCAST LOGIC AND OUTPUT 86	R	NO ACCESS
3109	BROADCAST LOGIC AND OUTPUT 87	R	NO ACCESS
3110	BROADCAST LOGIC AND OUTPUT 88	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3111	BROADCAST LOGIC AND OUTPUT 89	R	NO ACCESS
3112	BROADCAST LOGIC AND OUTPUT 90	R	NO ACCESS
3113	BROADCAST LOGIC AND OUTPUT 91	R	NO ACCESS
3114	BROADCAST LOGIC AND OUTPUT 92	R	NO ACCESS
3115	BROADCAST LOGIC AND OUTPUT 93	R	NO ACCESS
3116	BROADCAST LOGIC AND OUTPUT 94	R	NO ACCESS
3117	BROADCAST LOGIC AND OUTPUT 95	R	NO ACCESS
3118	BROADCAST LOGIC AND OUTPUT 96	R	NO ACCESS
3119	BROADCAST LOGIC AND OUTPUT 97	R	NO ACCESS
3120	BROADCAST LOGIC AND OUTPUT 98	R	NO ACCESS
3121	BROADCAST LOGIC AND OUTPUT 99	R	NO ACCESS
3122	BROADCAST LOGIC AND OUTPUT 100	R	NO ACCESS
3123	BROADCAST LOGIC AND OUTPUT 101	R	NO ACCESS
3124	BROADCAST LOGIC AND OUTPUT 102	R	NO ACCESS
3125	BROADCAST LOGIC AND OUTPUT 103	R	NO ACCESS
3126	BROADCAST LOGIC AND OUTPUT 104	R	NO ACCESS
3127	BROADCAST LOGIC AND OUTPUT 105	R	NO ACCESS
3128	BROADCAST LOGIC AND OUTPUT 106	R	NO ACCESS
3129	BROADCAST LOGIC AND OUTPUT 107	R	NO ACCESS
3130	BROADCAST LOGIC AND OUTPUT 108	R	NO ACCESS
3131	BROADCAST LOGIC AND OUTPUT 109	R	NO ACCESS
3132	BROADCAST LOGIC AND OUTPUT 110	R	NO ACCESS
3133	BROADCAST LOGIC AND OUTPUT 111	R	NO ACCESS
3134	BROADCAST LOGIC AND OUTPUT 112	R	NO ACCESS
3135	BROADCAST LOGIC AND OUTPUT 113	R	NO ACCESS
3136	BROADCAST LOGIC AND OUTPUT 114	R	NO ACCESS
3137	BROADCAST LOGIC AND OUTPUT 115	R	NO ACCESS
3138	BROADCAST LOGIC AND OUTPUT 116	R	NO ACCESS
3139	BROADCAST LOGIC AND OUTPUT 117	R	NO ACCESS
3140	BROADCAST LOGIC AND OUTPUT 118	R	NO ACCESS
3141	BROADCAST LOGIC AND OUTPUT 119	R	NO ACCESS
3142	BROADCAST LOGIC AND OUTPUT 120	R	NO ACCESS
3143	BROADCAST LOGIC AND OUTPUT 121	R	NO ACCESS
3144	BROADCAST LOGIC AND OUTPUT 122	R	NO ACCESS
3145	BROADCAST LOGIC AND OUTPUT 123	R	NO ACCESS
3146	BROADCAST LOGIC AND OUTPUT 124	R	NO ACCESS
3147	BROADCAST LOGIC AND OUTPUT 125	R	NO ACCESS
3148	BROADCAST LOGIC AND OUTPUT 126	R	NO ACCESS
3149	BROADCAST LOGIC AND OUTPUT 127	R	NO ACCESS
3150	BROADCAST LOGIC AND OUTPUT 128	R	NO ACCESS
3151	BROADCAST LOGIC OR OUTPUT 1	R	NO ACCESS
3152	BROADCAST LOGIC OR OUTPUT 2	R	NO ACCESS
3153	BROADCAST LOGIC OR OUTPUT 3	R	NO ACCESS
3154	BROADCAST LOGIC OR OUTPUT 4	R	NO ACCESS
3155	BROADCAST LOGIC OR OUTPUT 5	R	NO ACCESS
3156	BROADCAST LOGIC OR OUTPUT 6	R	NO ACCESS
3157	BROADCAST LOGIC OR OUTPUT 7	R	NO ACCESS
3158	BROADCAST LOGIC OR OUTPUT 8	R	NO ACCESS
3159	BROADCAST LOGIC OR OUTPUT 9	R	NO ACCESS
3160	BROADCAST LOGIC OR OUTPUT 10	R	NO ACCESS
3161	BROADCAST LOGIC OR OUTPUT 11	R	NO ACCESS
3162	BROADCAST LOGIC OR OUTPUT 12	R	NO ACCESS
3163	BROADCAST LOGIC OR OUTPUT 13	R	NO ACCESS
3164	BROADCAST LOGIC OR OUTPUT 14	R	NO ACCESS
3165	BROADCAST LOGIC OR OUTPUT 15	R	NO ACCESS
3166	BROADCAST LOGIC OR OUTPUT 16	R	NO ACCESS
3167	BROADCAST LOGIC OR OUTPUT 17	R	NO ACCESS
3168	BROADCAST LOGIC OR OUTPUT 18	R	NO ACCESS
3169	BROADCAST LOGIC OR OUTPUT 19	R	NO ACCESS
3170	BROADCAST LOGIC OR OUTPUT 20	R	NO ACCESS
3171	BROADCAST LOGIC OR OUTPUT 21	R	NO ACCESS
3172	BROADCAST LOGIC OR OUTPUT 22	R	NO ACCESS
3173	BROADCAST LOGIC OR OUTPUT 23	R	NO ACCESS
3174	BROADCAST LOGIC OR OUTPUT 24	R	NO ACCESS
3175	BROADCAST LOGIC OR OUTPUT 25	R	NO ACCESS
3176	BROADCAST LOGIC OR OUTPUT 26	R	NO ACCESS
3177	BROADCAST LOGIC OR OUTPUT 27	R	NO ACCESS
3178	BROADCAST LOGIC OR OUTPUT 28	R	NO ACCESS
3179	BROADCAST LOGIC OR OUTPUT 29	R	NO ACCESS
3180	BROADCAST LOGIC OR OUTPUT 30	R	NO ACCESS
3181	BROADCAST LOGIC OR OUTPUT 31	R	NO ACCESS
3182	BROADCAST LOGIC OR OUTPUT 32	R	NO ACCESS
3183	BROADCAST LOGIC OR OUTPUT 33	R	NO ACCESS
3184	BROADCAST LOGIC OR OUTPUT 34	R	NO ACCESS
3185	BROADCAST LOGIC OR OUTPUT 35	R	NO ACCESS
3186	BROADCAST LOGIC OR OUTPUT 36	R	NO ACCESS
3187	BROADCAST LOGIC OR OUTPUT 37	R	NO ACCESS
3188	BROADCAST LOGIC OR OUTPUT 38	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3189	BROADCAST LOGIC OR OUTPUT 39	R	NO ACCESS
3190	BROADCAST LOGIC OR OUTPUT 40	R	NO ACCESS
3191	BROADCAST LOGIC OR OUTPUT 41	R	NO ACCESS
3192	BROADCAST LOGIC OR OUTPUT 42	R	NO ACCESS
3193	BROADCAST LOGIC OR OUTPUT 43	R	NO ACCESS
3194	BROADCAST LOGIC OR OUTPUT 44	R	NO ACCESS
3195	BROADCAST LOGIC OR OUTPUT 45	R	NO ACCESS
3196	BROADCAST LOGIC OR OUTPUT 46	R	NO ACCESS
3197	BROADCAST LOGIC OR OUTPUT 47	R	NO ACCESS
3198	BROADCAST LOGIC OR OUTPUT 48	R	NO ACCESS
3199	BROADCAST LOGIC OR OUTPUT 49	R	NO ACCESS
3200	BROADCAST LOGIC OR OUTPUT 50	R	NO ACCESS
3201	BROADCAST LOGIC OR OUTPUT 51	R	NO ACCESS
3202	BROADCAST LOGIC OR OUTPUT 52	R	NO ACCESS
3203	BROADCAST LOGIC OR OUTPUT 53	R	NO ACCESS
3204	BROADCAST LOGIC OR OUTPUT 54	R	NO ACCESS
3205	BROADCAST LOGIC OR OUTPUT 55	R	NO ACCESS
3206	BROADCAST LOGIC OR OUTPUT 56	R	NO ACCESS
3207	BROADCAST LOGIC OR OUTPUT 57	R	NO ACCESS
3208	BROADCAST LOGIC OR OUTPUT 58	R	NO ACCESS
3209	BROADCAST LOGIC OR OUTPUT 59	R	NO ACCESS
3210	BROADCAST LOGIC OR OUTPUT 60	R	NO ACCESS
3211	BROADCAST LOGIC OR OUTPUT 61	R	NO ACCESS
3212	BROADCAST LOGIC OR OUTPUT 62	R	NO ACCESS
3213	BROADCAST LOGIC OR OUTPUT 63	R	NO ACCESS
3214	BROADCAST LOGIC OR OUTPUT 64	R	NO ACCESS
3215	BROADCAST LOGIC OR OUTPUT 65	R	NO ACCESS
3216	BROADCAST LOGIC OR OUTPUT 66	R	NO ACCESS
3217	BROADCAST LOGIC OR OUTPUT 67	R	NO ACCESS
3218	BROADCAST LOGIC OR OUTPUT 68	R	NO ACCESS
3219	BROADCAST LOGIC OR OUTPUT 69	R	NO ACCESS
3220	BROADCAST LOGIC OR OUTPUT 70	R	NO ACCESS
3221	BROADCAST LOGIC OR OUTPUT 71	R	NO ACCESS
3222	BROADCAST LOGIC OR OUTPUT 72	R	NO ACCESS
3223	BROADCAST LOGIC OR OUTPUT 73	R	NO ACCESS
3224	BROADCAST LOGIC OR OUTPUT 74	R	NO ACCESS
3225	BROADCAST LOGIC OR OUTPUT 75	R	NO ACCESS
3226	BROADCAST LOGIC OR OUTPUT 76	R	NO ACCESS
3227	BROADCAST LOGIC OR OUTPUT 77	R	NO ACCESS
3228	BROADCAST LOGIC OR OUTPUT 78	R	NO ACCESS
3229	BROADCAST LOGIC OR OUTPUT 79	R	NO ACCESS
3230	BROADCAST LOGIC OR OUTPUT 80	R	NO ACCESS
3231	BROADCAST LOGIC OR OUTPUT 81	R	NO ACCESS
3232	BROADCAST LOGIC OR OUTPUT 82	R	NO ACCESS
3233	BROADCAST LOGIC OR OUTPUT 83	R	NO ACCESS
3234	BROADCAST LOGIC OR OUTPUT 84	R	NO ACCESS
3235	BROADCAST LOGIC OR OUTPUT 85	R	NO ACCESS
3236	BROADCAST LOGIC OR OUTPUT 86	R	NO ACCESS
3237	BROADCAST LOGIC OR OUTPUT 87	R	NO ACCESS
3238	BROADCAST LOGIC OR OUTPUT 88	R	NO ACCESS
3239	BROADCAST LOGIC OR OUTPUT 89	R	NO ACCESS
3240	BROADCAST LOGIC OR OUTPUT 90	R	NO ACCESS
3241	BROADCAST LOGIC OR OUTPUT 91	R	NO ACCESS
3242	BROADCAST LOGIC OR OUTPUT 92	R	NO ACCESS
3243	BROADCAST LOGIC OR OUTPUT 93	R	NO ACCESS
3244	BROADCAST LOGIC OR OUTPUT 94	R	NO ACCESS
3245	BROADCAST LOGIC OR OUTPUT 95	R	NO ACCESS
3246	BROADCAST LOGIC OR OUTPUT 96	R	NO ACCESS
3247	BROADCAST LOGIC OR OUTPUT 97	R	NO ACCESS
3248	BROADCAST LOGIC OR OUTPUT 98	R	NO ACCESS
3249	BROADCAST LOGIC OR OUTPUT 99	R	NO ACCESS
3250	BROADCAST LOGIC OR OUTPUT 100	R	NO ACCESS
3251	BROADCAST LOGIC OR OUTPUT 101	R	NO ACCESS
3252	BROADCAST LOGIC OR OUTPUT 102	R	NO ACCESS
3253	BROADCAST LOGIC OR OUTPUT 103	R	NO ACCESS
3254	BROADCAST LOGIC OR OUTPUT 104	R	NO ACCESS
3255	BROADCAST LOGIC OR OUTPUT 105	R	NO ACCESS
3256	BROADCAST LOGIC OR OUTPUT 106	R	NO ACCESS
3257	BROADCAST LOGIC OR OUTPUT 107	R	NO ACCESS
3258	BROADCAST LOGIC OR OUTPUT 108	R	NO ACCESS
3259	BROADCAST LOGIC OR OUTPUT 109	R	NO ACCESS
3260	BROADCAST LOGIC OR OUTPUT 110	R	NO ACCESS
3261	BROADCAST LOGIC OR OUTPUT 111	R	NO ACCESS
3262	BROADCAST LOGIC OR OUTPUT 112	R	NO ACCESS
3263	BROADCAST LOGIC OR OUTPUT 113	R	NO ACCESS
3264	BROADCAST LOGIC OR OUTPUT 114	R	NO ACCESS
3265	BROADCAST LOGIC OR OUTPUT 115	R	NO ACCESS
3266	BROADCAST LOGIC OR OUTPUT 116	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3267	BROADCAST LOGIC OR OUTPUT 117	R	NO ACCESS
3268	BROADCAST LOGIC OR OUTPUT 118	R	NO ACCESS
3269	BROADCAST LOGIC OR OUTPUT 119	R	NO ACCESS
3270	BROADCAST LOGIC OR OUTPUT 120	R	NO ACCESS
3271	BROADCAST LOGIC OR OUTPUT 121	R	NO ACCESS
3272	BROADCAST LOGIC OR OUTPUT 122	R	NO ACCESS
3273	BROADCAST LOGIC OR OUTPUT 123	R	NO ACCESS
3274	BROADCAST LOGIC OR OUTPUT 124	R	NO ACCESS
3275	BROADCAST LOGIC OR OUTPUT 125	R	NO ACCESS
3276	BROADCAST LOGIC OR OUTPUT 126	R	NO ACCESS
3277	BROADCAST LOGIC OR OUTPUT 127	R	NO ACCESS
3278	BROADCAST LOGIC OR OUTPUT 128	R	NO ACCESS
3279	BROADCAST LOGIC EXACTLY ONE OUTPUT 1	R	NO ACCESS
3280	BROADCAST LOGIC EXACTLY ONE OUTPUT 2	R	NO ACCESS
3281	BROADCAST LOGIC EXACTLY ONE OUTPUT 3	R	NO ACCESS
3282	BROADCAST LOGIC EXACTLY ONE OUTPUT 4	R	NO ACCESS
3283	BROADCAST LOGIC EXACTLY ONE OUTPUT 5	R	NO ACCESS
3284	BROADCAST LOGIC EXACTLY ONE OUTPUT 6	R	NO ACCESS
3285	BROADCAST LOGIC EXACTLY ONE OUTPUT 7	R	NO ACCESS
3286	BROADCAST LOGIC EXACTLY ONE OUTPUT 8	R	NO ACCESS
3287	BROADCAST LOGIC EXACTLY ONE OUTPUT 9	R	NO ACCESS
3288	BROADCAST LOGIC EXACTLY ONE OUTPUT 10	R	NO ACCESS
3289	BROADCAST LOGIC EXACTLY ONE OUTPUT 11	R	NO ACCESS
3290	BROADCAST LOGIC EXACTLY ONE OUTPUT 12	R	NO ACCESS
3291	BROADCAST LOGIC EXACTLY ONE OUTPUT 13	R	NO ACCESS
3292	BROADCAST LOGIC EXACTLY ONE OUTPUT 14	R	NO ACCESS
3293	BROADCAST LOGIC EXACTLY ONE OUTPUT 15	R	NO ACCESS
3294	BROADCAST LOGIC EXACTLY ONE OUTPUT 16	R	NO ACCESS
3295	BROADCAST LOGIC EXACTLY ONE OUTPUT 17	R	NO ACCESS
3296	BROADCAST LOGIC EXACTLY ONE OUTPUT 18	R	NO ACCESS
3297	BROADCAST LOGIC EXACTLY ONE OUTPUT 19	R	NO ACCESS
3298	BROADCAST LOGIC EXACTLY ONE OUTPUT 20	R	NO ACCESS
3299	BROADCAST LOGIC EXACTLY ONE OUTPUT 21	R	NO ACCESS
3300	BROADCAST LOGIC EXACTLY ONE OUTPUT 22	R	NO ACCESS
3301	BROADCAST LOGIC EXACTLY ONE OUTPUT 23	R	NO ACCESS
3302	BROADCAST LOGIC EXACTLY ONE OUTPUT 24	R	NO ACCESS
3303	BROADCAST LOGIC EXACTLY ONE OUTPUT 25	R	NO ACCESS
3304	BROADCAST LOGIC EXACTLY ONE OUTPUT 26	R	NO ACCESS
3305	BROADCAST LOGIC EXACTLY ONE OUTPUT 27	R	NO ACCESS
3306	BROADCAST LOGIC EXACTLY ONE OUTPUT 28	R	NO ACCESS
3307	BROADCAST LOGIC EXACTLY ONE OUTPUT 29	R	NO ACCESS
3308	BROADCAST LOGIC EXACTLY ONE OUTPUT 30	R	NO ACCESS
3309	BROADCAST LOGIC EXACTLY ONE OUTPUT 31	R	NO ACCESS
3310	BROADCAST LOGIC EXACTLY ONE OUTPUT 32	R	NO ACCESS
3311	BROADCAST LOGIC EXACTLY ONE OUTPUT 33	R	NO ACCESS
3312	BROADCAST LOGIC EXACTLY ONE OUTPUT 34	R	NO ACCESS
3313	BROADCAST LOGIC EXACTLY ONE OUTPUT 35	R	NO ACCESS
3314	BROADCAST LOGIC EXACTLY ONE OUTPUT 36	R	NO ACCESS
3315	BROADCAST LOGIC EXACTLY ONE OUTPUT 37	R	NO ACCESS
3316	BROADCAST LOGIC EXACTLY ONE OUTPUT 38	R	NO ACCESS
3317	BROADCAST LOGIC EXACTLY ONE OUTPUT 39	R	NO ACCESS
3318	BROADCAST LOGIC EXACTLY ONE OUTPUT 40	R	NO ACCESS
3319	BROADCAST LOGIC EXACTLY ONE OUTPUT 41	R	NO ACCESS
3320	BROADCAST LOGIC EXACTLY ONE OUTPUT 42	R	NO ACCESS
3321	BROADCAST LOGIC EXACTLY ONE OUTPUT 43	R	NO ACCESS
3322	BROADCAST LOGIC EXACTLY ONE OUTPUT 44	R	NO ACCESS
3323	BROADCAST LOGIC EXACTLY ONE OUTPUT 45	R	NO ACCESS
3324	BROADCAST LOGIC EXACTLY ONE OUTPUT 46	R	NO ACCESS
3325	BROADCAST LOGIC EXACTLY ONE OUTPUT 47	R	NO ACCESS
3326	BROADCAST LOGIC EXACTLY ONE OUTPUT 48	R	NO ACCESS
3327	BROADCAST LOGIC EXACTLY ONE OUTPUT 49	R	NO ACCESS
3328	BROADCAST LOGIC EXACTLY ONE OUTPUT 50	R	NO ACCESS
3329	BROADCAST LOGIC EXACTLY ONE OUTPUT 51	R	NO ACCESS
3330	BROADCAST LOGIC EXACTLY ONE OUTPUT 52	R	NO ACCESS
3331	BROADCAST LOGIC EXACTLY ONE OUTPUT 53	R	NO ACCESS
3332	BROADCAST LOGIC EXACTLY ONE OUTPUT 54	R	NO ACCESS
3333	BROADCAST LOGIC EXACTLY ONE OUTPUT 55	R	NO ACCESS
3334	BROADCAST LOGIC EXACTLY ONE OUTPUT 56	R	NO ACCESS
3335	BROADCAST LOGIC EXACTLY ONE OUTPUT 57	R	NO ACCESS
3336	BROADCAST LOGIC EXACTLY ONE OUTPUT 58	R	NO ACCESS
3337	BROADCAST LOGIC EXACTLY ONE OUTPUT 59	R	NO ACCESS
3338	BROADCAST LOGIC EXACTLY ONE OUTPUT 60	R	NO ACCESS
3339	BROADCAST LOGIC EXACTLY ONE OUTPUT 61	R	NO ACCESS
3340	BROADCAST LOGIC EXACTLY ONE OUTPUT 62	R	NO ACCESS
3341	BROADCAST LOGIC EXACTLY ONE OUTPUT 63	R	NO ACCESS
3342	BROADCAST LOGIC EXACTLY ONE OUTPUT 64	R	NO ACCESS
3343	BROADCAST LOGIC EXACTLY ONE OUTPUT 65	R	NO ACCESS
3344	BROADCAST LOGIC EXACTLY ONE OUTPUT 66	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3345	BROADCAST LOGIC EXACTLY ONE OUTPUT 67	R	NO ACCESS
3346	BROADCAST LOGIC EXACTLY ONE OUTPUT 68	R	NO ACCESS
3347	BROADCAST LOGIC EXACTLY ONE OUTPUT 69	R	NO ACCESS
3348	BROADCAST LOGIC EXACTLY ONE OUTPUT 70	R	NO ACCESS
3349	BROADCAST LOGIC EXACTLY ONE OUTPUT 71	R	NO ACCESS
3350	BROADCAST LOGIC EXACTLY ONE OUTPUT 72	R	NO ACCESS
3351	BROADCAST LOGIC EXACTLY ONE OUTPUT 73	R	NO ACCESS
3352	BROADCAST LOGIC EXACTLY ONE OUTPUT 74	R	NO ACCESS
3353	BROADCAST LOGIC EXACTLY ONE OUTPUT 75	R	NO ACCESS
3354	BROADCAST LOGIC EXACTLY ONE OUTPUT 76	R	NO ACCESS
3355	BROADCAST LOGIC EXACTLY ONE OUTPUT 77	R	NO ACCESS
3356	BROADCAST LOGIC EXACTLY ONE OUTPUT 78	R	NO ACCESS
3357	BROADCAST LOGIC EXACTLY ONE OUTPUT 79	R	NO ACCESS
3358	BROADCAST LOGIC EXACTLY ONE OUTPUT 80	R	NO ACCESS
3359	BROADCAST LOGIC EXACTLY ONE OUTPUT 81	R	NO ACCESS
3360	BROADCAST LOGIC EXACTLY ONE OUTPUT 82	R	NO ACCESS
3361	BROADCAST LOGIC EXACTLY ONE OUTPUT 83	R	NO ACCESS
3362	BROADCAST LOGIC EXACTLY ONE OUTPUT 84	R	NO ACCESS
3363	BROADCAST LOGIC EXACTLY ONE OUTPUT 85	R	NO ACCESS
3364	BROADCAST LOGIC EXACTLY ONE OUTPUT 86	R	NO ACCESS
3365	BROADCAST LOGIC EXACTLY ONE OUTPUT 87	R	NO ACCESS
3366	BROADCAST LOGIC EXACTLY ONE OUTPUT 88	R	NO ACCESS
3367	BROADCAST LOGIC EXACTLY ONE OUTPUT 89	R	NO ACCESS
3368	BROADCAST LOGIC EXACTLY ONE OUTPUT 90	R	NO ACCESS
3369	BROADCAST LOGIC EXACTLY ONE OUTPUT 91	R	NO ACCESS
3370	BROADCAST LOGIC EXACTLY ONE OUTPUT 92	R	NO ACCESS
3371	BROADCAST LOGIC EXACTLY ONE OUTPUT 93	R	NO ACCESS
3372	BROADCAST LOGIC EXACTLY ONE OUTPUT 94	R	NO ACCESS
3373	BROADCAST LOGIC EXACTLY ONE OUTPUT 95	R	NO ACCESS
3374	BROADCAST LOGIC EXACTLY ONE OUTPUT 96	R	NO ACCESS
3375	BROADCAST LOGIC EXACTLY ONE OUTPUT 97	R	NO ACCESS
3376	BROADCAST LOGIC EXACTLY ONE OUTPUT 98	R	NO ACCESS
3377	BROADCAST LOGIC EXACTLY ONE OUTPUT 99	R	NO ACCESS
3378	BROADCAST LOGIC EXACTLY ONE OUTPUT 100	R	NO ACCESS
3379	BROADCAST LOGIC EXACTLY ONE OUTPUT 101	R	NO ACCESS
3380	BROADCAST LOGIC EXACTLY ONE OUTPUT 102	R	NO ACCESS
3381	BROADCAST LOGIC EXACTLY ONE OUTPUT 103	R	NO ACCESS
3382	BROADCAST LOGIC EXACTLY ONE OUTPUT 104	R	NO ACCESS
3383	BROADCAST LOGIC EXACTLY ONE OUTPUT 105	R	NO ACCESS
3384	BROADCAST LOGIC EXACTLY ONE OUTPUT 106	R	NO ACCESS
3385	BROADCAST LOGIC EXACTLY ONE OUTPUT 107	R	NO ACCESS
3386	BROADCAST LOGIC EXACTLY ONE OUTPUT 108	R	NO ACCESS
3387	BROADCAST LOGIC EXACTLY ONE OUTPUT 109	R	NO ACCESS
3388	BROADCAST LOGIC EXACTLY ONE OUTPUT 110	R	NO ACCESS
3389	BROADCAST LOGIC EXACTLY ONE OUTPUT 111	R	NO ACCESS
3390	BROADCAST LOGIC EXACTLY ONE OUTPUT 112	R	NO ACCESS
3391	BROADCAST LOGIC EXACTLY ONE OUTPUT 113	R	NO ACCESS
3392	BROADCAST LOGIC EXACTLY ONE OUTPUT 114	R	NO ACCESS
3393	BROADCAST LOGIC EXACTLY ONE OUTPUT 115	R	NO ACCESS
3394	BROADCAST LOGIC EXACTLY ONE OUTPUT 116	R	NO ACCESS
3395	BROADCAST LOGIC EXACTLY ONE OUTPUT 117	R	NO ACCESS
3396	BROADCAST LOGIC EXACTLY ONE OUTPUT 118	R	NO ACCESS
3397	BROADCAST LOGIC EXACTLY ONE OUTPUT 119	R	NO ACCESS
3398	BROADCAST LOGIC EXACTLY ONE OUTPUT 120	R	NO ACCESS
3399	BROADCAST LOGIC EXACTLY ONE OUTPUT 121	R	NO ACCESS
3400	BROADCAST LOGIC EXACTLY ONE OUTPUT 122	R	NO ACCESS
3401	BROADCAST LOGIC EXACTLY ONE OUTPUT 123	R	NO ACCESS
3402	BROADCAST LOGIC EXACTLY ONE OUTPUT 124	R	NO ACCESS
3403	BROADCAST LOGIC EXACTLY ONE OUTPUT 125	R	NO ACCESS
3404	BROADCAST LOGIC EXACTLY ONE OUTPUT 126	R	NO ACCESS
3405	BROADCAST LOGIC EXACTLY ONE OUTPUT 127	R	NO ACCESS
3406	BROADCAST LOGIC EXACTLY ONE OUTPUT 128	R	NO ACCESS
3407	ECU CONFIG TORQUE LIMIT BP	R	NO ACCESS
3408	ECU CONFIG TORQUE LIMIT SEVERE BP	R	NO ACCESS
3409	ECU CONFIG ISUZU SCR PURGE PREALARM	R	NO ACCESS
3410	ECU CONFIG ISUZU SCR FORCED PURGE PREALARM	R	NO ACCESS
3411	ECU CONFIG EXHAUST SYSTEM ERROR PREALARM	R	NO ACCESS
3412	ECU CONFIG EXHAUST SYSTEM ERROR ALARM	R	NO ACCESS
3413	ECU CONFIG DEF LOW SEVERE ALARM	R	NO ACCESS
3414	ECU CONFIG ESCAPE MODE PREALARM BP	R	NO ACCESS
3415	ECU_CONFIG_ISUZU_SERVICE_TOOL_FORCED_PURGE_REQUEST_PREALARM	R	NO ACCESS
3416	ECU CONFIG ISUZU FORCED PURGE REQUEST PREALARM	R	NO ACCESS
3417	ECU CONFIG DIAGNOSTIC TROUBLE CODE ALARM	R	NO ACCESS
3418	ECU CONFIG ISUZU DEF LOW REFILL DEF PREALARM	R	NO ACCESS
3419	ECU CONFIG ISUZU DEF LOW REFILL DEF ALARM	R	NO ACCESS
3420	BATTCHG1 COMMS FAIL PREALARM	R	NO ACCESS
3421	BATTCHG1 BATTERY FAILURE PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3422	BATTCHG1_FAIL_PREALARM	R	NO ACCESS
3423	BATTCHG1_AC_OFF_PREALARM	R	NO ACCESS
3424	BATTCHG1_THERMAL_LIMIT_PREALARM	R	NO ACCESS
3425	BATTCHG1_HI_OUTPUT_VOLTS_PREALARM	R	NO ACCESS
3426	BATTCHG1_LO_OUTPUT_VOLTS_PREALARM	R	NO ACCESS
3427	BATTCHG1_LO_CRANKING_VOLTS_PREALARM	R	NO ACCESS
3428	BATTCHG1_INVALID_SETTINGS_PREALARM	R	NO ACCESS
3429	BATTCHG1_SINGLE_UNIT_FAIL_PREALARM	R	NO ACCESS
3430	BATTCHG2_COMMS_FAIL_PREALARM	R	NO ACCESS
3431	BATTCHG2_BATTERY_FAILURE_PREALARM	R	NO ACCESS
3432	BATTCHG2_FAIL_PREALARM	R	NO ACCESS
3433	BATTCHG2_AC_OFF_PREALARM	R	NO ACCESS
3434	BATTCHG2_THERMAL_LIMIT_PREALARM	R	NO ACCESS
3435	BATTCHG2_HI_OUTPUT_VOLTS_PREALARM	R	NO ACCESS
3436	BATTCHG2_LO_OUTPUT_VOLTS_PREALARM	R	NO ACCESS
3437	BATTCHG2_LO_CRANKING_VOLTS_PREALARM	R	NO ACCESS
3438	BATTCHG2_INVALID_SETTINGS_PREALARM	R	NO ACCESS
3439	BATTCHG2_SINGLE_UNIT_FAIL_PREALARM	R	NO ACCESS
3440	LOAD_SHEDDING_PRIORITY1LOADADD	R W	CONTROL ACCESS
3441	LOAD_SHEDDING_PRIORITY2LOADADD	R W	CONTROL ACCESS
3442	LOAD_SHEDDING_PRIORITY3LOADADD	R W	CONTROL ACCESS
3443	LOAD_SHEDDING_PRIORITY4LOADADD	R W	CONTROL ACCESS
3444	LOAD_SHEDDING_PRIORITY5LOADADD	R W	CONTROL ACCESS
3445	LOAD_SHEDDING_PRIORITY6LOADADD	R W	CONTROL ACCESS
3446	LOAD_SHEDDING_PRIORITY7LOADADD	R W	CONTROL ACCESS
3447	LOAD_SHEDDING_PRIORITY8LOADADD	R W	CONTROL ACCESS
3448	LOAD_SHEDDING_PRIORITY9LOADADD	R W	CONTROL ACCESS
3449	LOAD_SHEDDING_PRIORITY10LOADADD	R W	CONTROL ACCESS
3450	LOAD_SHEDDING_PRIORITY11LOADADD	R W	CONTROL ACCESS
3451	LOAD_SHEDDING_PRIORITY12LOADADD	R W	CONTROL ACCESS
3452	LOAD_SHEDDING_PRIORITY13LOADADD	R W	CONTROL ACCESS
3453	LOAD_SHEDDING_PRIORITY14LOADADD	R W	CONTROL ACCESS
3454	LOAD_SHEDDING_PRIORITY15LOADADD	R W	CONTROL ACCESS
3455	LOAD_SHEDDING_PRIORITY16LOADADD	R W	CONTROL ACCESS
3456	LOAD_SHEDDING_PRIORITY17LOADADD	R W	CONTROL ACCESS
3457	LOAD_SHEDDING_PRIORITY18LOADADD	R W	CONTROL ACCESS
3458	LOAD_SHEDDING_PRIORITY19LOADADD	R W	CONTROL ACCESS
3459	LOAD_SHEDDING_PRIORITY20LOADADD	R W	CONTROL ACCESS
3460	LOAD_SHEDDING_PRIORITY21LOADADD	R W	CONTROL ACCESS
3461	LOAD_SHEDDING_PRIORITY22LOADADD	R W	CONTROL ACCESS
3462	LOAD_SHEDDING_PRIORITY23LOADADD	R W	CONTROL ACCESS
3463	LOAD_SHEDDING_PRIORITY24LOADADD	R W	CONTROL ACCESS
3464	LOAD_SHEDDING_PRIORITY25LOADADD	R W	CONTROL ACCESS
3465	LOAD_SHEDDING_PRIORITY26LOADADD	R W	CONTROL ACCESS
3466	LOAD_SHEDDING_PRIORITY27LOADADD	R W	CONTROL ACCESS
3467	LOAD_SHEDDING_PRIORITY28LOADADD	R W	CONTROL ACCESS
3468	LOAD_SHEDDING_PRIORITY29LOADADD	R W	CONTROL ACCESS
3469	LOAD_SHEDDING_PRIORITY30LOADADD	R W	CONTROL ACCESS
3470	LOAD_SHEDDING_PRIORITY31LOADADD	R W	CONTROL ACCESS
3471	LOAD_SHEDDING_PRIORITY32LOADADD	R W	CONTROL ACCESS
3472	LOAD_SHEDDING_PRIORITY33LOADADD	R W	CONTROL ACCESS
3473	LOAD_SHEDDING_PRIORITY34LOADADD	R W	CONTROL ACCESS
3474	LOAD_SHEDDING_PRIORITY35LOADADD	R W	CONTROL ACCESS
3475	LOAD_SHEDDING_PRIORITY36LOADADD	R W	CONTROL ACCESS
3476	LOAD_SHEDDING_PRIORITY37LOADADD	R W	CONTROL ACCESS
3477	LOAD_SHEDDING_PRIORITY38LOADADD	R W	CONTROL ACCESS
3478	LOAD_SHEDDING_PRIORITY39LOADADD	R W	CONTROL ACCESS
3479	LOAD_SHEDDING_PRIORITY40LOADADD	R W	CONTROL ACCESS
3480	LOAD_SHEDDING_PRIORITY41LOADADD	R W	CONTROL ACCESS
3481	LOAD_SHEDDING_PRIORITY42LOADADD	R W	CONTROL ACCESS
3482	LOAD_SHEDDING_PRIORITY43LOADADD	R W	CONTROL ACCESS
3483	LOAD_SHEDDING_PRIORITY44LOADADD	R W	CONTROL ACCESS
3484	LOAD_SHEDDING_PRIORITY45LOADADD	R W	CONTROL ACCESS
3485	LOAD_SHEDDING_PRIORITY46LOADADD	R W	CONTROL ACCESS
3486	LOAD_SHEDDING_PRIORITY47LOADADD	R W	CONTROL ACCESS
3487	LOAD_SHEDDING_PRIORITY48LOADADD	R W	CONTROL ACCESS
3488	LOAD_SHEDDING_PRIORITY49LOADADD	R W	CONTROL ACCESS
3489	LOAD_SHEDDING_PRIORITY50LOADADD	R W	CONTROL ACCESS
3490	LOAD_SHEDDING_PRIORITY51LOADADD	R W	CONTROL ACCESS
3491	LOAD_SHEDDING_PRIORITY52LOADADD	R W	CONTROL ACCESS
3492	LOAD_SHEDDING_PRIORITY53LOADADD	R W	CONTROL ACCESS
3493	LOAD_SHEDDING_PRIORITY54LOADADD	R W	CONTROL ACCESS
3494	LOAD_SHEDDING_PRIORITY55LOADADD	R W	CONTROL ACCESS
3495	LOAD_SHEDDING_PRIORITY56LOADADD	R W	CONTROL ACCESS
3496	LOAD_SHEDDING_PRIORITY57LOADADD	R W	CONTROL ACCESS
3497	LOAD_SHEDDING_PRIORITY58LOADADD	R W	CONTROL ACCESS
3498	LOAD_SHEDDING_PRIORITY59LOADADD	R W	CONTROL ACCESS
3499	LOAD_SHEDDING_PRIORITY60LOADADD	R W	CONTROL ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3500	LOAD_SHEDDING_PRIORITY61LOADADD	R W	CONTROL ACCESS
3501	LOAD_SHEDDING_PRIORITY62LOADADD	R W	CONTROL ACCESS
3502	LOAD_SHEDDING_PRIORITY63LOADADD	R W	CONTROL ACCESS
3503	LOAD_SHEDDING_PRIORITY64LOADADD	R W	CONTROL ACCESS
3504	LOAD_SHEDDING_PRIORITY1LOADTRIP	R W	CONTROL ACCESS
3505	LOAD_SHEDDING_PRIORITY2LOADTRIP	R W	CONTROL ACCESS
3506	LOAD_SHEDDING_PRIORITY3LOADTRIP	R W	CONTROL ACCESS
3507	LOAD_SHEDDING_PRIORITY4LOADTRIP	R W	CONTROL ACCESS
3508	LOAD_SHEDDING_PRIORITY5LOADTRIP	R W	CONTROL ACCESS
3509	LOAD_SHEDDING_PRIORITY6LOADTRIP	R W	CONTROL ACCESS
3510	LOAD_SHEDDING_PRIORITY7LOADTRIP	R W	CONTROL ACCESS
3511	LOAD_SHEDDING_PRIORITY8LOADTRIP	R W	CONTROL ACCESS
3512	LOAD_SHEDDING_PRIORITY9LOADTRIP	R W	CONTROL ACCESS
3513	LOAD_SHEDDING_PRIORITY10LOADTRIP	R W	CONTROL ACCESS
3514	LOAD_SHEDDING_PRIORITY11LOADTRIP	R W	CONTROL ACCESS
3515	LOAD_SHEDDING_PRIORITY12LOADTRIP	R W	CONTROL ACCESS
3516	LOAD_SHEDDING_PRIORITY13LOADTRIP	R W	CONTROL ACCESS
3517	LOAD_SHEDDING_PRIORITY14LOADTRIP	R W	CONTROL ACCESS
3518	LOAD_SHEDDING_PRIORITY15LOADTRIP	R W	CONTROL ACCESS
3519	LOAD_SHEDDING_PRIORITY16LOADTRIP	R W	CONTROL ACCESS
3520	LOAD_SHEDDING_PRIORITY17LOADTRIP	R W	CONTROL ACCESS
3521	LOAD_SHEDDING_PRIORITY18LOADTRIP	R W	CONTROL ACCESS
3522	LOAD_SHEDDING_PRIORITY19LOADTRIP	R W	CONTROL ACCESS
3523	LOAD_SHEDDING_PRIORITY20LOADTRIP	R W	CONTROL ACCESS
3524	LOAD_SHEDDING_PRIORITY21LOADTRIP	R W	CONTROL ACCESS
3525	LOAD_SHEDDING_PRIORITY22LOADTRIP	R W	CONTROL ACCESS
3526	LOAD_SHEDDING_PRIORITY23LOADTRIP	R W	CONTROL ACCESS
3527	LOAD_SHEDDING_PRIORITY24LOADTRIP	R W	CONTROL ACCESS
3528	LOAD_SHEDDING_PRIORITY25LOADTRIP	R W	CONTROL ACCESS
3529	LOAD_SHEDDING_PRIORITY26LOADTRIP	R W	CONTROL ACCESS
3530	LOAD_SHEDDING_PRIORITY27LOADTRIP	R W	CONTROL ACCESS
3531	LOAD_SHEDDING_PRIORITY28LOADTRIP	R W	CONTROL ACCESS
3532	LOAD_SHEDDING_PRIORITY29LOADTRIP	R W	CONTROL ACCESS
3533	LOAD_SHEDDING_PRIORITY30LOADTRIP	R W	CONTROL ACCESS
3534	LOAD_SHEDDING_PRIORITY31LOADTRIP	R W	CONTROL ACCESS
3535	LOAD_SHEDDING_PRIORITY32LOADTRIP	R W	CONTROL ACCESS
3536	LOAD_SHEDDING_PRIORITY33LOADTRIP	R W	CONTROL ACCESS
3537	LOAD_SHEDDING_PRIORITY34LOADTRIP	R W	CONTROL ACCESS
3538	LOAD_SHEDDING_PRIORITY35LOADTRIP	R W	CONTROL ACCESS
3539	LOAD_SHEDDING_PRIORITY36LOADTRIP	R W	CONTROL ACCESS
3540	LOAD_SHEDDING_PRIORITY37LOADTRIP	R W	CONTROL ACCESS
3541	LOAD_SHEDDING_PRIORITY38LOADTRIP	R W	CONTROL ACCESS
3542	LOAD_SHEDDING_PRIORITY39LOADTRIP	R W	CONTROL ACCESS
3543	LOAD_SHEDDING_PRIORITY40LOADTRIP	R W	CONTROL ACCESS
3544	LOAD_SHEDDING_PRIORITY41LOADTRIP	R W	CONTROL ACCESS
3545	LOAD_SHEDDING_PRIORITY42LOADTRIP	R W	CONTROL ACCESS
3546	LOAD_SHEDDING_PRIORITY43LOADTRIP	R W	CONTROL ACCESS
3547	LOAD_SHEDDING_PRIORITY44LOADTRIP	R W	CONTROL ACCESS
3548	LOAD_SHEDDING_PRIORITY45LOADTRIP	R W	CONTROL ACCESS
3549	LOAD_SHEDDING_PRIORITY46LOADTRIP	R W	CONTROL ACCESS
3550	LOAD_SHEDDING_PRIORITY47LOADTRIP	R W	CONTROL ACCESS
3551	LOAD_SHEDDING_PRIORITY48LOADTRIP	R W	CONTROL ACCESS
3552	LOAD_SHEDDING_PRIORITY49LOADTRIP	R W	CONTROL ACCESS
3553	LOAD_SHEDDING_PRIORITY50LOADTRIP	R W	CONTROL ACCESS
3554	LOAD_SHEDDING_PRIORITY51LOADTRIP	R W	CONTROL ACCESS
3555	LOAD_SHEDDING_PRIORITY52LOADTRIP	R W	CONTROL ACCESS
3556	LOAD_SHEDDING_PRIORITY53LOADTRIP	R W	CONTROL ACCESS
3557	LOAD_SHEDDING_PRIORITY54LOADTRIP	R W	CONTROL ACCESS
3558	LOAD_SHEDDING_PRIORITY55LOADTRIP	R W	CONTROL ACCESS
3559	LOAD_SHEDDING_PRIORITY56LOADTRIP	R W	CONTROL ACCESS
3560	LOAD_SHEDDING_PRIORITY57LOADTRIP	R W	CONTROL ACCESS
3561	LOAD_SHEDDING_PRIORITY58LOADTRIP	R W	CONTROL ACCESS
3562	LOAD_SHEDDING_PRIORITY59LOADTRIP	R W	CONTROL ACCESS
3563	LOAD_SHEDDING_PRIORITY60LOADTRIP	R W	CONTROL ACCESS
3564	LOAD_SHEDDING_PRIORITY61LOADTRIP	R W	CONTROL ACCESS
3565	LOAD_SHEDDING_PRIORITY62LOADTRIP	R W	CONTROL ACCESS
3566	LOAD_SHEDDING_PRIORITY63LOADTRIP	R W	CONTROL ACCESS
3567	LOAD_SHEDDING_PRIORITY64LOADTRIP	R W	CONTROL ACCESS
3568	CONFIG_DTC_1_OUTPUT	R	NO ACCESS
3569	CONFIG_DTC_1_ALARM	R	NO ACCESS
3570	CONFIG_DTC_1_PREALARM	R	NO ACCESS
3571	CONFIG_DTC_2_OUTPUT	R	NO ACCESS
3572	CONFIG_DTC_2_ALARM	R	NO ACCESS
3573	CONFIG_DTC_2_PREALARM	R	NO ACCESS
3574	CONFIG_DTC_3_OUTPUT	R	NO ACCESS
3575	CONFIG_DTC_3_ALARM	R	NO ACCESS
3576	CONFIG_DTC_3_PREALARM	R	NO ACCESS
3577	CONFIG_DTC_4_OUTPUT	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3578	CONFIG_DTC_4_ALARM	R	NO_ACCESS
3579	CONFIG_DTC_4_PREALARM	R	NO_ACCESS
3580	CONFIG_DTC_5_OUTPUT	R	NO_ACCESS
3581	CONFIG_DTC_5_ALARM	R	NO_ACCESS
3582	CONFIG_DTC_5_PREALARM	R	NO_ACCESS
3583	CONFIG_DTC_6_OUTPUT	R	NO_ACCESS
3584	CONFIG_DTC_6_ALARM	R	NO_ACCESS
3585	CONFIG_DTC_6_PREALARM	R	NO_ACCESS
3586	CONFIG_DTC_7_OUTPUT	R	NO_ACCESS
3587	CONFIG_DTC_7_ALARM	R	NO_ACCESS
3588	CONFIG_DTC_7_PREALARM	R	NO_ACCESS
3589	CONFIG_DTC_8_OUTPUT	R	NO_ACCESS
3590	CONFIG_DTC_8_ALARM	R	NO_ACCESS
3591	CONFIG_DTC_8_PREALARM	R	NO_ACCESS
3592	CONFIG_DTC_9_OUTPUT	R	NO_ACCESS
3593	CONFIG_DTC_9_ALARM	R	NO_ACCESS
3594	CONFIG_DTC_9_PREALARM	R	NO_ACCESS
3595	CONFIG_DTC_10_OUTPUT	R	NO_ACCESS
3596	CONFIG_DTC_10_ALARM	R	NO_ACCESS
3597	CONFIG_DTC_10_PREALARM	R	NO_ACCESS
3598	CONFIG_DTC_11_OUTPUT	R	NO_ACCESS
3599	CONFIG_DTC_11_ALARM	R	NO_ACCESS
3600	CONFIG_DTC_11_PREALARM	R	NO_ACCESS
3601	CONFIG_DTC_12_OUTPUT	R	NO_ACCESS
3602	CONFIG_DTC_12_ALARM	R	NO_ACCESS
3603	CONFIG_DTC_12_PREALARM	R	NO_ACCESS
3604	CONFIG_DTC_13_OUTPUT	R	NO_ACCESS
3605	CONFIG_DTC_13_ALARM	R	NO_ACCESS
3606	CONFIG_DTC_13_PREALARM	R	NO_ACCESS
3607	CONFIG_DTC_14_OUTPUT	R	NO_ACCESS
3608	CONFIG_DTC_14_ALARM	R	NO_ACCESS
3609	CONFIG_DTC_14_PREALARM	R	NO_ACCESS
3610	CONFIG_DTC_15_OUTPUT	R	NO_ACCESS
3611	CONFIG_DTC_15_ALARM	R	NO_ACCESS
3612	CONFIG_DTC_15_PREALARM	R	NO_ACCESS
3613	CONFIG_DTC_16_OUTPUT	R	NO_ACCESS
3614	CONFIG_DTC_16_ALARM	R	NO_ACCESS
3615	CONFIG_DTC_16_PREALARM	R	NO_ACCESS
3616	ECU_METERING_MTU_FAULT_CODES_ACTIVE_PREALARM	R	NO_ACCESS
3617	ECU_METERING_DPF_REGEN_INHIBIT_DUE_TO_LOW_COOLNT_TEMP_BP	R	NO_ACCESS
3618	ECU_METERING_DPF_REGEN_INHIBIT_STATUS_FROM_CANBUS	R	NO_ACCESS
3619	ECU_METERING_SCR_CLEAN_INHBT_DUE_TO_SWITCH_BP	R	NO_ACCESS
3620	ECU_METERING_DPF_REGENERATE_INHIBITED_DUE_TO_SWITCH_BP	R	NO_ACCESS
3621	ECU_METERING_EXHAUST_REGENERATE_FORCED_BY_SERVICE_TOOL_ACTIVE	R	NO_ACCESS
3622	ECU_METERING_EXHAUST_REGENERATE_FORCED_BY_SWITCH_ACTIVE	R	NO_ACCESS
3623	ECU_METERING_EXHAUST_REGENERATE_ACTIVE	R	NO_ACCESS
3624	ALARMS_TOO_MANY_CEM_MODULES	R	NO_ACCESS
3625	ALARMS_CLOCK_RESET	R	NO_ACCESS
3626	ALARMS_GLOBAL_SENDER_FAIL_PREALARM	R	NO_ACCESS
3627	ALARMS_GLOBAL_SENDER_FAIL_STATUS	R	NO_ACCESS
3628	ALARMS_GLOBAL_SENDER_FAIL_DETECTED	R	NO_ACCESS
3629	COOLANTLEVELPROTECTION_COOLANTLEVELSENDERFAILPREALARM	R	NO_ACCESS
3630	COOLANTLEVELPROTECTION_COOLANTLEVELSENDERFAILSTATUS	R	NO_ACCESS
3631	COOLANTLEVELPROTECTION_COOLANTLEVELSENDERFAILDETECTED	R	NO_ACCESS
3632	CEM5_CONNECTED	R	NO_ACCESS
3633	CEM5_COMMS_FAILURE	R	NO_ACCESS
3634	CEM5_DUP_CEM	R	NO_ACCESS
3635	CEM5_INPUT_1	R	NO_ACCESS
3636	CEM5_INPUT_2	R	NO_ACCESS
3637	CEM5_INPUT_3	R	NO_ACCESS
3638	CEM5_INPUT_4	R	NO_ACCESS
3639	CEM5_INPUT_5	R	NO_ACCESS
3640	CEM5_INPUT_6	R	NO_ACCESS
3641	CEM5_INPUT_7	R	NO_ACCESS
3642	CEM5_INPUT_8	R	NO_ACCESS
3643	CEM5_INPUT_9	R	NO_ACCESS
3644	CEM5_INPUT_10	R	NO_ACCESS
3645	CEM5_OUTPUT_1	R	NO_ACCESS
3646	CEM5_OUTPUT_2	R	NO_ACCESS
3647	CEM5_OUTPUT_3	R	NO_ACCESS
3648	CEM5_OUTPUT_4	R	NO_ACCESS
3649	CEM5_OUTPUT_5	R	NO_ACCESS
3650	CEM5_OUTPUT_6	R	NO_ACCESS
3651	CEM5_OUTPUT_7	R	NO_ACCESS
3652	CEM5_OUTPUT_8	R	NO_ACCESS
3653	CEM5_OUTPUT_9	R	NO_ACCESS
3654	CEM5_OUTPUT_10	R	NO_ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3655	CEM5_OUTPUT_11	R	NO ACCESS
3656	CEM5_OUTPUT_12	R	NO ACCESS
3657	CEM5_OUTPUT_13	R	NO ACCESS
3658	CEM5_OUTPUT_14	R	NO ACCESS
3659	CEM5_OUTPUT_15	R	NO ACCESS
3660	CEM5_OUTPUT_16	R	NO ACCESS
3661	CEM5_OUTPUT_17	R	NO ACCESS
3662	CEM5_OUTPUT_18	R	NO ACCESS
3663	CEM5_OUTPUT_19	R	NO ACCESS
3664	CEM5_OUTPUT_20	R	NO ACCESS
3665	CEM5_OUTPUT_21	R	NO ACCESS
3666	CEM5_OUTPUT_22	R	NO ACCESS
3667	CEM5_OUTPUT_23	R	NO ACCESS
3668	CEM5_OUTPUT_24	R	NO ACCESS
3669	CEM5_HW_MISMATCH	R	NO ACCESS
3670	CEM5_NOT_CONFIGURED_PA	R	NO ACCESS
3671	CEM6_CONNECTED	R	NO ACCESS
3672	CEM6_COMMS_FAILURE	R	NO ACCESS
3673	CEM6_DUP_CEM	R	NO ACCESS
3674	CEM6_INPUT_1	R	NO ACCESS
3675	CEM6_INPUT_2	R	NO ACCESS
3676	CEM6_INPUT_3	R	NO ACCESS
3677	CEM6_INPUT_4	R	NO ACCESS
3678	CEM6_INPUT_5	R	NO ACCESS
3679	CEM6_INPUT_6	R	NO ACCESS
3680	CEM6_INPUT_7	R	NO ACCESS
3681	CEM6_INPUT_8	R	NO ACCESS
3682	CEM6_INPUT_9	R	NO ACCESS
3683	CEM6_INPUT_10	R	NO ACCESS
3684	CEM6_OUTPUT_1	R	NO ACCESS
3685	CEM6_OUTPUT_2	R	NO ACCESS
3686	CEM6_OUTPUT_3	R	NO ACCESS
3687	CEM6_OUTPUT_4	R	NO ACCESS
3688	CEM6_OUTPUT_5	R	NO ACCESS
3689	CEM6_OUTPUT_6	R	NO ACCESS
3690	CEM6_OUTPUT_7	R	NO ACCESS
3691	CEM6_OUTPUT_8	R	NO ACCESS
3692	CEM6_OUTPUT_9	R	NO ACCESS
3693	CEM6_OUTPUT_10	R	NO ACCESS
3694	CEM6_OUTPUT_11	R	NO ACCESS
3695	CEM6_OUTPUT_12	R	NO ACCESS
3696	CEM6_OUTPUT_13	R	NO ACCESS
3697	CEM6_OUTPUT_14	R	NO ACCESS
3698	CEM6_OUTPUT_15	R	NO ACCESS
3699	CEM6_OUTPUT_16	R	NO ACCESS
3700	CEM6_OUTPUT_17	R	NO ACCESS
3701	CEM6_OUTPUT_18	R	NO ACCESS
3702	CEM6_OUTPUT_19	R	NO ACCESS
3703	CEM6_OUTPUT_20	R	NO ACCESS
3704	CEM6_OUTPUT_21	R	NO ACCESS
3705	CEM6_OUTPUT_22	R	NO ACCESS
3706	CEM6_OUTPUT_23	R	NO ACCESS
3707	CEM6_OUTPUT_24	R	NO ACCESS
3708	CEM6_HW_MISMATCH	R	NO ACCESS
3709	CEM6_NOT_CONFIGURED_PA	R	NO ACCESS
3710	ECU_CONFIG_REGEN_NEEDED_LOW_LVL	R	NO ACCESS
3711	ECU_CONFIG_REGEN_NEEDED_MED_LVL	R	NO ACCESS
3712	ECU_CONFIG_REGEN_NEEDED_HIGH_LVL	R	NO ACCESS
3713	ECU_CONFIG_RAPID_START_MODE_OVERRIDE_FROM_PLC	R	NO ACCESS
3714	ECU_CONFIG_SHOW_DEF_SYMBOL	R	NO ACCESS
3715	ECU_CONFIG_SHOW_ENGINE_WARNING_AMBER_LAMP_SYMBOL	R	NO ACCESS
3716	ECU_CONFIG_SHOW_CHECK_ENGINE_LAMP_SYMBOL	R	NO ACCESS
3717	ECU_CONFIG_SHOW_ENGINE_STOP_RED_LAMP_SYMBOL	R	NO ACCESS
3718	ECU_CONFIG_SHOW_DPF_SYMBOL	R	NO ACCESS
3719	ECU_CONFIG_SHOW_DPF_INHIBITED_SYMBOL	R	NO ACCESS
3720	ECU_CONFIG_SHOW_HIGH_EXHAUST_TEMP_SYMBOL	R	NO ACCESS
3721	ECU_CONFIG_SHOW_WAIT_TO_START_SYMBOL	R	NO ACCESS
3722	ECU_CONFIG_SHOW_TORQUE_LIMIT_SYMBOL	R	NO ACCESS
3723	ECU_CONFIG_SHOW_EXHAUST_SYSTEM_MALFUNCTION_SYMBOL	R	NO ACCESS
3724	BIASCONTROL_CLOSE_LOAD_SHARE_CONTACTS_PLC	R	NO ACCESS
3725	BIASCONTROL_CLOSE_VAR_SHARE_CONTACTS_PLC	R	NO ACCESS
3726	MONITORED_BREAKER_1_MONITORED_BREAKER_STATUS	R	NO ACCESS
3727	MONITORED_BREAKER_2_MONITORED_BREAKER_STATUS	R	NO ACCESS
3728	MONITORED_BREAKER_3_MONITORED_BREAKER_STATUS	R	NO ACCESS
3729	MONITORED_BREAKER_4_MONITORED_BREAKER_STATUS	R	NO ACCESS
3730	MONITORED_BREAKER_5_MONITORED_BREAKER_STATUS	R	NO ACCESS
3731	MONITORED_BREAKER_6_MONITORED_BREAKER_STATUS	R	NO ACCESS
3732	MONITORED_BREAKER_7_MONITORED_BREAKER_STATUS	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3733	MONITORED BREAKER 8 MONITORED BREAKER_STATUS	R	NO ACCESS
3734	ATS ATS CIRCUIT ERROR PREALARM	R	NO ACCESS
3735	ATS NORMALLY OPEN INPUT	R	NO ACCESS
3736	ATS NORMALLY CLOSED INPUT	R	NO ACCESS
3737	LOAD SHEDDING SHEDLOAD	R W	CONTROL ACCESS
3738	LOAD SHEDDING SHEDLOADFAST	R W	CONTROL ACCESS
3739	LOAD SHEDDING ADDLOADINHIBIT	R W	CONTROL ACCESS
3740	LOAD SHEDDING TRIPALL	R W	CONTROL ACCESS
3741	LOAD SHEDDING ADDALL	R W	CONTROL ACCESS
3742	LOAD SHEDDING LOADADDBIAS1ENABLE	R W	CONTROL ACCESS
3743	LOAD SHEDDING LOADADDBIAS2ENABLE	R W	CONTROL ACCESS
3744	LOAD SHEDDING LOADADDBIAS3ENABLE	R W	CONTROL ACCESS
3745	LOAD SHEDDING LOADADDBIAS4ENABLE	R W	CONTROL ACCESS
3746	LOAD SHEDDING LOADADDBIAS5ENABLE	R W	CONTROL ACCESS
3747	LOAD SHEDDING LOADADDBIAS6ENABLE	R W	CONTROL ACCESS
3748	LOAD SHEDDING LOADADDBIAS7ENABLE	R W	CONTROL ACCESS
3749	LOAD SHEDDING LOADADDBIAS8ENABLE	R W	CONTROL ACCESS
3750	LOAD SHEDDING LOADADDBIAS9ENABLE	R W	CONTROL ACCESS
3751	LOAD SHEDDING LOADADDBIAS10ENABLE	R W	CONTROL ACCESS
3752	LOAD SHEDDING LOADADDBIAS11ENABLE	R W	CONTROL ACCESS
3753	LOAD SHEDDING LOADADDBIAS12ENABLE	R W	CONTROL ACCESS
3754	LOAD SHEDDING LOADADDBIAS13ENABLE	R W	CONTROL ACCESS
3755	LOAD SHEDDING LOADADDBIAS14ENABLE	R W	CONTROL ACCESS
3756	LOAD SHEDDING LOADADDBIAS15ENABLE	R W	CONTROL ACCESS
3757	LOAD SHEDDING LOADADDBIAS16ENABLE	R W	CONTROL ACCESS
3758	LOAD SHEDDING STATUS SHEDLOADSTATUS	R	NO ACCESS
3759	LOAD SHEDDING STATUS SHEDLOADFASTSTATUS	R	NO ACCESS
3760	LOAD SHEDDING STATUS ADDLOADINHIBITSTATUS	R	NO ACCESS
3761	LOAD SHEDDING STATUS TRIPALLSTATUS	R	NO ACCESS
3762	LOAD SHEDDING STATUS ADDALLSTATUS	R	NO ACCESS
3763	LOAD SHEDDING STATUS LOADADDBIAS1STATUS	R	NO ACCESS
3764	LOAD SHEDDING STATUS LOADADDBIAS2STATUS	R	NO ACCESS
3765	LOAD SHEDDING STATUS LOADADDBIAS3STATUS	R	NO ACCESS
3766	LOAD SHEDDING STATUS LOADADDBIAS4STATUS	R	NO ACCESS
3767	LOAD SHEDDING STATUS LOADADDBIAS5STATUS	R	NO ACCESS
3768	LOAD SHEDDING STATUS LOADADDBIAS6STATUS	R	NO ACCESS
3769	LOAD SHEDDING STATUS LOADADDBIAS7STATUS	R	NO ACCESS
3770	LOAD SHEDDING STATUS LOADADDBIAS8STATUS	R	NO ACCESS
3771	LOAD SHEDDING STATUS LOADADDBIAS9STATUS	R	NO ACCESS
3772	LOAD SHEDDING STATUS LOADADDBIAS10STATUS	R	NO ACCESS
3773	LOAD SHEDDING STATUS LOADADDBIAS11STATUS	R	NO ACCESS
3774	LOAD SHEDDING STATUS LOADADDBIAS12STATUS	R	NO ACCESS
3775	LOAD SHEDDING STATUS LOADADDBIAS13STATUS	R	NO ACCESS
3776	LOAD SHEDDING STATUS LOADADDBIAS14STATUS	R	NO ACCESS
3777	LOAD SHEDDING STATUS LOADADDBIAS15STATUS	R	NO ACCESS
3778	LOAD SHEDDING STATUS LOADADDBIAS16STATUS	R	NO ACCESS
3779	LOAD SHEDDING STATUS PRIORITY1LOADADDSTATUS	R	NO ACCESS
3780	LOAD SHEDDING STATUS PRIORITY2LOADADDSTATUS	R	NO ACCESS
3781	LOAD SHEDDING STATUS PRIORITY3LOADADDSTATUS	R	NO ACCESS
3782	LOAD SHEDDING STATUS PRIORITY4LOADADDSTATUS	R	NO ACCESS
3783	LOAD SHEDDING STATUS PRIORITY5LOADADDSTATUS	R	NO ACCESS
3784	LOAD SHEDDING STATUS PRIORITY6LOADADDSTATUS	R	NO ACCESS
3785	LOAD SHEDDING STATUS PRIORITY7LOADADDSTATUS	R	NO ACCESS
3786	LOAD SHEDDING STATUS PRIORITY8LOADADDSTATUS	R	NO ACCESS
3787	LOAD SHEDDING STATUS PRIORITY9LOADADDSTATUS	R	NO ACCESS
3788	LOAD SHEDDING STATUS PRIORITY10LOADADDSTATUS	R	NO ACCESS
3789	LOAD SHEDDING STATUS PRIORITY11LOADADDSTATUS	R	NO ACCESS
3790	LOAD SHEDDING STATUS PRIORITY12LOADADDSTATUS	R	NO ACCESS
3791	LOAD SHEDDING STATUS PRIORITY13LOADADDSTATUS	R	NO ACCESS
3792	LOAD SHEDDING STATUS PRIORITY14LOADADDSTATUS	R	NO ACCESS
3793	LOAD SHEDDING STATUS PRIORITY15LOADADDSTATUS	R	NO ACCESS
3794	LOAD SHEDDING STATUS PRIORITY16LOADADDSTATUS	R	NO ACCESS
3795	LOAD SHEDDING STATUS PRIORITY17LOADADDSTATUS	R	NO ACCESS
3796	LOAD SHEDDING STATUS PRIORITY18LOADADDSTATUS	R	NO ACCESS
3797	LOAD SHEDDING STATUS PRIORITY19LOADADDSTATUS	R	NO ACCESS
3798	LOAD SHEDDING STATUS PRIORITY20LOADADDSTATUS	R	NO ACCESS
3799	LOAD SHEDDING STATUS PRIORITY21LOADADDSTATUS	R	NO ACCESS
3800	LOAD SHEDDING STATUS PRIORITY22LOADADDSTATUS	R	NO ACCESS
3801	LOAD SHEDDING STATUS PRIORITY23LOADADDSTATUS	R	NO ACCESS
3802	LOAD SHEDDING STATUS PRIORITY24LOADADDSTATUS	R	NO ACCESS
3803	LOAD SHEDDING STATUS PRIORITY25LOADADDSTATUS	R	NO ACCESS
3804	LOAD SHEDDING STATUS PRIORITY26LOADADDSTATUS	R	NO ACCESS
3805	LOAD SHEDDING STATUS PRIORITY27LOADADDSTATUS	R	NO ACCESS
3806	LOAD SHEDDING STATUS PRIORITY28LOADADDSTATUS	R	NO ACCESS
3807	LOAD SHEDDING STATUS PRIORITY29LOADADDSTATUS	R	NO ACCESS
3808	LOAD SHEDDING STATUS PRIORITY30LOADADDSTATUS	R	NO ACCESS
3809	LOAD SHEDDING STATUS PRIORITY31LOADADDSTATUS	R	NO ACCESS
3810	LOAD SHEDDING STATUS PRIORITY32LOADADDSTATUS	R	NO ACCESS

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Coil Number	Binary Point Name	R/W	Write Access Level
3889	LOAD SHEDDING STATUS PRIORITY47LOADTRIPSTATUS	R	NO ACCESS
3890	LOAD SHEDDING STATUS PRIORITY48LOADTRIPSTATUS	R	NO ACCESS
3891	LOAD SHEDDING STATUS PRIORITY49LOADTRIPSTATUS	R	NO ACCESS
3892	LOAD SHEDDING STATUS PRIORITY50LOADTRIPSTATUS	R	NO ACCESS
3893	LOAD SHEDDING STATUS PRIORITY51LOADTRIPSTATUS	R	NO ACCESS
3894	LOAD SHEDDING STATUS PRIORITY52LOADTRIPSTATUS	R	NO ACCESS
3895	LOAD SHEDDING STATUS PRIORITY53LOADTRIPSTATUS	R	NO ACCESS
3896	LOAD SHEDDING STATUS PRIORITY54LOADTRIPSTATUS	R	NO ACCESS
3897	LOAD SHEDDING STATUS PRIORITY55LOADTRIPSTATUS	R	NO ACCESS
3898	LOAD SHEDDING STATUS PRIORITY56LOADTRIPSTATUS	R	NO ACCESS
3899	LOAD SHEDDING STATUS PRIORITY57LOADTRIPSTATUS	R	NO ACCESS
3900	LOAD SHEDDING STATUS PRIORITY58LOADTRIPSTATUS	R	NO ACCESS
3901	LOAD SHEDDING STATUS PRIORITY59LOADTRIPSTATUS	R	NO ACCESS
3902	LOAD SHEDDING STATUS PRIORITY60LOADTRIPSTATUS	R	NO ACCESS
3903	LOAD SHEDDING STATUS PRIORITY61LOADTRIPSTATUS	R	NO ACCESS
3904	LOAD SHEDDING STATUS PRIORITY62LOADTRIPSTATUS	R	NO ACCESS
3905	LOAD SHEDDING STATUS PRIORITY63LOADTRIPSTATUS	R	NO ACCESS
3906	LOAD SHEDDING STATUS PRIORITY64LOADTRIPSTATUS	R	NO ACCESS
3907	LOGIC INPUT_COUNTER 1 OUTPUT1	R	NO ACCESS
3908	LOGIC INPUT_COUNTER 1 OUTPUT2	R	NO ACCESS
3909	LOGIC INPUT_COUNTER 2 OUTPUT1	R	NO ACCESS
3910	LOGIC INPUT_COUNTER 2 OUTPUT2	R	NO ACCESS
3911	LOGIC INPUT_COUNTER 3 OUTPUT1	R	NO ACCESS
3912	LOGIC INPUT_COUNTER 3 OUTPUT2	R	NO ACCESS
3913	LOGIC INPUT_COUNTER 4 OUTPUT1	R	NO ACCESS
3914	LOGIC INPUT_COUNTER 4 OUTPUT2	R	NO ACCESS
3915	LOGIC INPUT_COUNTER 5 OUTPUT1	R	NO ACCESS
3916	LOGIC INPUT_COUNTER 5 OUTPUT2	R	NO ACCESS
3917	LOGIC INPUT_COUNTER 6 OUTPUT1	R	NO ACCESS
3918	LOGIC INPUT_COUNTER 6 OUTPUT2	R	NO ACCESS
3919	LOGIC INPUT_COUNTER 7 OUTPUT1	R	NO ACCESS
3920	LOGIC INPUT_COUNTER 7 OUTPUT2	R	NO ACCESS
3921	LOGIC INPUT_COUNTER 8 OUTPUT1	R	NO ACCESS
3922	LOGIC INPUT_COUNTER 8 OUTPUT2	R	NO ACCESS
3923	CONFIG_ELEMENT_9 OUTPUT	R	NO ACCESS
3924	CONFIG_ELEMENT_9 ALARM	R	NO ACCESS
3925	CONFIG_ELEMENT_9 PREALARM	R	NO ACCESS
3926	CONFIG_ELEMNT_10 OUTPUT	R	NO ACCESS
3927	CONFIG_ELEMNT_10 ALARM	R	NO ACCESS
3928	CONFIG_ELEMNT_10 PREALARM	R	NO ACCESS
3929	CONFIG_ELEMNT_11 OUTPUT	R	NO ACCESS
3930	CONFIG_ELEMNT_11 ALARM	R	NO ACCESS
3931	CONFIG_ELEMNT_11 PREALARM	R	NO ACCESS
3932	CONFIG_ELEMNT_12 OUTPUT	R	NO ACCESS
3933	CONFIG_ELEMNT_12 ALARM	R	NO ACCESS
3934	CONFIG_ELEMNT_12 PREALARM	R	NO ACCESS
3935	CONFIG_ELEMNT_13 OUTPUT	R	NO ACCESS
3936	CONFIG_ELEMNT_13 ALARM	R	NO ACCESS
3937	CONFIG_ELEMNT_13 PREALARM	R	NO ACCESS
3938	CONFIG_ELEMNT_14 OUTPUT	R	NO ACCESS
3939	CONFIG_ELEMNT_14 ALARM	R	NO ACCESS
3940	CONFIG_ELEMNT_14 PREALARM	R	NO ACCESS
3941	CONFIG_ELEMNT_15 OUTPUT	R	NO ACCESS
3942	CONFIG_ELEMNT_15 ALARM	R	NO ACCESS
3943	CONFIG_ELEMNT_15 PREALARM	R	NO ACCESS
3944	CONFIG_ELEMNT_16 OUTPUT	R	NO ACCESS
3945	CONFIG_ELEMNT_16 ALARM	R	NO ACCESS
3946	CONFIG_ELEMNT_16 PREALARM	R	NO ACCESS
3947	CONFIG_ELEMNT_17 OUTPUT	R	NO ACCESS
3948	CONFIG_ELEMNT_17 ALARM	R	NO ACCESS
3949	CONFIG_ELEMNT_17 PREALARM	R	NO ACCESS
3950	CONFIG_ELEMNT_18 OUTPUT	R	NO ACCESS
3951	CONFIG_ELEMNT_18 ALARM	R	NO ACCESS
3952	CONFIG_ELEMNT_18 PREALARM	R	NO ACCESS
3953	CONFIG_ELEMNT_19 OUTPUT	R	NO ACCESS
3954	CONFIG_ELEMNT_19 ALARM	R	NO ACCESS
3955	CONFIG_ELEMNT_19 PREALARM	R	NO ACCESS
3956	CONFIG_ELEMNT_20 OUTPUT	R	NO ACCESS
3957	CONFIG_ELEMNT_20 ALARM	R	NO ACCESS
3958	CONFIG_ELEMNT_20 PREALARM	R	NO ACCESS
3959	CONFIG_ELEMNT_21 OUTPUT	R	NO ACCESS
3960	CONFIG_ELEMNT_21 ALARM	R	NO ACCESS
3961	CONFIG_ELEMNT_21 PREALARM	R	NO ACCESS
3962	CONFIG_ELEMNT_22 OUTPUT	R	NO ACCESS
3963	CONFIG_ELEMNT_22 ALARM	R	NO ACCESS
3964	CONFIG_ELEMNT_22 PREALARM	R	NO ACCESS
3965	CONFIG_ELEMNT_23 OUTPUT	R	NO ACCESS
3966	CONFIG_ELEMNT_23 ALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
3967	CONFIG_ELEMNT_23_PREALARM	R	NO ACCESS
3968	CONFIG_ELEMNT_24_OUTPUT	R	NO ACCESS
3969	CONFIG_ELEMNT_24_ALARM	R	NO ACCESS
3970	CONFIG_ELEMNT_24_PREALARM	R	NO ACCESS
3971	CONFIG_ELEMNT_25_OUTPUT	R	NO ACCESS
3972	CONFIG_ELEMNT_25_ALARM	R	NO ACCESS
3973	CONFIG_ELEMNT_25_PREALARM	R	NO ACCESS
3974	CONFIG_ELEMNT_26_OUTPUT	R	NO ACCESS
3975	CONFIG_ELEMNT_26_ALARM	R	NO ACCESS
3976	CONFIG_ELEMNT_26_PREALARM	R	NO ACCESS
3977	CONFIG_ELEMNT_27_OUTPUT	R	NO ACCESS
3978	CONFIG_ELEMNT_27_ALARM	R	NO ACCESS
3979	CONFIG_ELEMNT_27_PREALARM	R	NO ACCESS
3980	CONFIG_ELEMNT_28_OUTPUT	R	NO ACCESS
3981	CONFIG_ELEMNT_28_ALARM	R	NO ACCESS
3982	CONFIG_ELEMNT_28_PREALARM	R	NO ACCESS
3983	CONFIG_ELEMNT_29_OUTPUT	R	NO ACCESS
3984	CONFIG_ELEMNT_29_ALARM	R	NO ACCESS
3985	CONFIG_ELEMNT_29_PREALARM	R	NO ACCESS
3986	CONFIG_ELEMNT_30_OUTPUT	R	NO ACCESS
3987	CONFIG_ELEMNT_30_ALARM	R	NO ACCESS
3988	CONFIG_ELEMNT_30_PREALARM	R	NO ACCESS
3989	CONFIG_ELEMNT_31_OUTPUT	R	NO ACCESS
3990	CONFIG_ELEMNT_31_ALARM	R	NO ACCESS
3991	CONFIG_ELEMNT_31_PREALARM	R	NO ACCESS
3992	CONFIG_ELEMNT_32_OUTPUT	R	NO ACCESS
3993	CONFIG_ELEMNT_32_ALARM	R	NO ACCESS
3994	CONFIG_ELEMNT_32_PREALARM	R	NO ACCESS
3995	CEM5CONTACTINPUT1_ALARM	R	NO ACCESS
3996	CEM5CONTACTINPUT1_PREALARM	R	NO ACCESS
3997	CEM5CONTACTINPUT1_STATE	R	NO ACCESS
3998	CEM5CONTACTINPUT2_ALARM	R	NO ACCESS
3999	CEM5CONTACTINPUT2_PREALARM	R	NO ACCESS
4000	CEM5CONTACTINPUT2_STATE	R	NO ACCESS
4001	CEM5CONTACTINPUT3_ALARM	R	NO ACCESS
4002	CEM5CONTACTINPUT3_PREALARM	R	NO ACCESS
4003	CEM5CONTACTINPUT3_STATE	R	NO ACCESS
4004	CEM5CONTACTINPUT4_ALARM	R	NO ACCESS
4005	CEM5CONTACTINPUT4_PREALARM	R	NO ACCESS
4006	CEM5CONTACTINPUT4_STATE	R	NO ACCESS
4007	CEM5CONTACTINPUT5_ALARM	R	NO ACCESS
4008	CEM5CONTACTINPUT5_PREALARM	R	NO ACCESS
4009	CEM5CONTACTINPUT5_STATE	R	NO ACCESS
4010	CEM5CONTACTINPUT6_ALARM	R	NO ACCESS
4011	CEM5CONTACTINPUT6_PREALARM	R	NO ACCESS
4012	CEM5CONTACTINPUT6_STATE	R	NO ACCESS
4013	CEM5CONTACTINPUT7_ALARM	R	NO ACCESS
4014	CEM5CONTACTINPUT7_PREALARM	R	NO ACCESS
4015	CEM5CONTACTINPUT7_STATE	R	NO ACCESS
4016	CEM5CONTACTINPUT8_ALARM	R	NO ACCESS
4017	CEM5CONTACTINPUT8_PREALARM	R	NO ACCESS
4018	CEM5CONTACTINPUT8_STATE	R	NO ACCESS
4019	CEM5CONTACTINPUT9_ALARM	R	NO ACCESS
4020	CEM5CONTACTINPUT9_PREALARM	R	NO ACCESS
4021	CEM5CONTACTINPUT9_STATE	R	NO ACCESS
4022	CEM5CONTACTINPUT10_ALARM	R	NO ACCESS
4023	CEM5CONTACTINPUT10_PREALARM	R	NO ACCESS
4024	CEM5CONTACTINPUT10_STATE	R	NO ACCESS
4025	CEM6CONTACTINPUT1_ALARM	R	NO ACCESS
4026	CEM6CONTACTINPUT1_PREALARM	R	NO ACCESS
4027	CEM6CONTACTINPUT1_STATE	R	NO ACCESS
4028	CEM6CONTACTINPUT2_ALARM	R	NO ACCESS
4029	CEM6CONTACTINPUT2_PREALARM	R	NO ACCESS
4030	CEM6CONTACTINPUT2_STATE	R	NO ACCESS
4031	CEM6CONTACTINPUT3_ALARM	R	NO ACCESS
4032	CEM6CONTACTINPUT3_PREALARM	R	NO ACCESS
4033	CEM6CONTACTINPUT3_STATE	R	NO ACCESS
4034	CEM6CONTACTINPUT4_ALARM	R	NO ACCESS
4035	CEM6CONTACTINPUT4_PREALARM	R	NO ACCESS
4036	CEM6CONTACTINPUT4_STATE	R	NO ACCESS
4037	CEM6CONTACTINPUT5_ALARM	R	NO ACCESS
4038	CEM6CONTACTINPUT5_PREALARM	R	NO ACCESS
4039	CEM6CONTACTINPUT5_STATE	R	NO ACCESS
4040	CEM6CONTACTINPUT6_ALARM	R	NO ACCESS
4041	CEM6CONTACTINPUT6_PREALARM	R	NO ACCESS
4042	CEM6CONTACTINPUT6_STATE	R	NO ACCESS
4043	CEM6CONTACTINPUT7_ALARM	R	NO ACCESS
4044	CEM6CONTACTINPUT7_PREALARM	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
4045	CEM6CONTACTINPUT7 STATE	R	NO ACCESS
4046	CEM6CONTACTINPUT8 ALARM	R	NO ACCESS
4047	CEM6CONTACTINPUT8 PREALARM	R	NO ACCESS
4048	CEM6CONTACTINPUT8 STATE	R	NO ACCESS
4049	CEM6CONTACTINPUT9 ALARM	R	NO ACCESS
4050	CEM6CONTACTINPUT9 PREALARM	R	NO ACCESS
4051	CEM6CONTACTINPUT9 STATE	R	NO ACCESS
4052	CEM6CONTACTINPUT10 ALARM	R	NO ACCESS
4053	CEM6CONTACTINPUT10 PREALARM	R	NO ACCESS
4054	CEM6CONTACTINPUT10 STATE	R	NO ACCESS
4055	LOGIC_TIMER_OUTPUTS_TIMER1OUTPUT	R	NO ACCESS
4056	LOGIC_TIMER_OUTPUTS_TIMER2OUTPUT	R	NO ACCESS
4057	LOGIC_TIMER_OUTPUTS_TIMER3OUTPUT	R	NO ACCESS
4058	LOGIC_TIMER_OUTPUTS_TIMER4OUTPUT	R	NO ACCESS
4059	LOGIC_TIMER_OUTPUTS_TIMER5OUTPUT	R	NO ACCESS
4060	LOGIC_TIMER_OUTPUTS_TIMER6OUTPUT	R	NO ACCESS
4061	LOGIC_TIMER_OUTPUTS_TIMER7OUTPUT	R	NO ACCESS
4062	LOGIC_TIMER_OUTPUTS_TIMER8OUTPUT	R	NO ACCESS
4063	LOGIC_TIMER_OUTPUTS_TIMER9OUTPUT	R	NO ACCESS
4064	LOGIC_TIMER_OUTPUTS_TIMER10OUTPUT	R	NO ACCESS
4065	LOGIC_TIMER_OUTPUTS_TIMER11OUTPUT	R	NO ACCESS
4066	LOGIC_TIMER_OUTPUTS_TIMER12OUTPUT	R	NO ACCESS
4067	LOGIC_TIMER_OUTPUTS_TIMER13OUTPUT	R	NO ACCESS
4068	LOGIC_TIMER_OUTPUTS_TIMER14OUTPUT	R	NO ACCESS
4069	LOGIC_TIMER_OUTPUTS_TIMER15OUTPUT	R	NO ACCESS
4070	LOGIC_TIMER_OUTPUTS_TIMER16OUTPUT	R	NO ACCESS
4071	LOGIC_TIMER_OUTPUTS_TIMER17OUTPUT	R	NO ACCESS
4072	LOGIC_TIMER_OUTPUTS_TIMER18OUTPUT	R	NO ACCESS
4073	LOGIC_TIMER_OUTPUTS_TIMER19OUTPUT	R	NO ACCESS
4074	LOGIC_TIMER_OUTPUTS_TIMER20OUTPUT	R	NO ACCESS
4075	LOGIC_TIMER_OUTPUTS_TIMER21OUTPUT	R	NO ACCESS
4076	LOGIC_TIMER_OUTPUTS_TIMER22OUTPUT	R	NO ACCESS
4077	LOGIC_TIMER_OUTPUTS_TIMER23OUTPUT	R	NO ACCESS
4078	LOGIC_TIMER_OUTPUTS_TIMER24OUTPUT	R	NO ACCESS
4079	LOGIC_TIMER_OUTPUTS_TIMER25OUTPUT	R	NO ACCESS
4080	LOGIC_TIMER_OUTPUTS_TIMER26OUTPUT	R	NO ACCESS
4081	LOGIC_TIMER_OUTPUTS_TIMER27OUTPUT	R	NO ACCESS
4082	LOGIC_TIMER_OUTPUTS_TIMER28OUTPUT	R	NO ACCESS
4083	LOGIC_TIMER_OUTPUTS_TIMER29OUTPUT	R	NO ACCESS
4084	LOGIC_TIMER_OUTPUTS_TIMER30OUTPUT	R	NO ACCESS
4085	LOGIC_TIMER_OUTPUTS_TIMER31OUTPUT	R	NO ACCESS
4086	LOGIC_TIMER_OUTPUTS_TIMER32OUTPUT	R	NO ACCESS
4087	LOGIC_COUNTER_OUTPUTS_COUNTER1OUTPUT	R	NO ACCESS
4088	LOGIC_COUNTER_OUTPUTS_COUNTER2OUTPUT	R	NO ACCESS
4089	LOGIC_COUNTER_OUTPUTS_COUNTER3OUTPUT	R	NO ACCESS
4090	LOGIC_COUNTER_OUTPUTS_COUNTER4OUTPUT	R	NO ACCESS
4091	LOGIC_COUNTER_OUTPUTS_COUNTER5OUTPUT	R	NO ACCESS
4092	LOGIC_COUNTER_OUTPUTS_COUNTER6OUTPUT	R	NO ACCESS
4093	LOGIC_COUNTER_OUTPUTS_COUNTER7OUTPUT	R	NO ACCESS
4094	LOGIC_COUNTER_OUTPUTS_COUNTER8OUTPUT	R	NO ACCESS
4095	LOGIC_COUNTER_OUTPUTS_COUNTER9OUTPUT	R	NO ACCESS
4096	LOGIC_COUNTER_OUTPUTS_COUNTER10OUTPUT	R	NO ACCESS
4097	LOGIC_COUNTER_OUTPUTS_COUNTER11OUTPUT	R	NO ACCESS
4098	LOGIC_COUNTER_OUTPUTS_COUNTER12OUTPUT	R	NO ACCESS
4099	LOGIC_COUNTER_OUTPUTS_COUNTER13OUTPUT	R	NO ACCESS
4100	LOGIC_COUNTER_OUTPUTS_COUNTER14OUTPUT	R	NO ACCESS
4101	LOGIC_COUNTER_OUTPUTS_COUNTER15OUTPUT	R	NO ACCESS
4102	LOGIC_COUNTER_OUTPUTS_COUNTER16OUTPUT	R	NO ACCESS
4103	DEMAND_START_STOP_DEMANDSTARTINHIBIT	R W	CONTROL ACCESS
4104	DEMAND_START_STOP_DEMANDSTOPINHIBIT	R W	CONTROL ACCESS
4105	GEN_BRKR_SYNC_IN_PROGRESS	R	NO ACCESS
4106	MAINS_BRKR_SYNC_IN_PROGRESS	R	NO ACCESS
4107	GROUP_BREAKER_SYNC_IN_PROGRESS	R	NO ACCESS
4108	TIE_BREAKER_SYNC_IN_PROGRESS	R	NO ACCESS
4109	TIE_BREAKER_2_SYNC_IN_PROGRESS	R	NO ACCESS
4110	SYSTEM_CONFIGURATION_RAISE_SPEED_FROM_PLC	R W	CONTROL ACCESS
4111	SYSTEM_CONFIGURATION_LOWER_SPEED_FROM_PLC	R W	CONTROL ACCESS
4112	GENERATORALTERNATERATEDKWHANDLER_ALTERNATE_1_SELECTED	R	NO ACCESS
4113	GENERATORALTERNATERATEDKWHANDLER_ALTERNATE_2_SELECTED	R	NO ACCESS
4114	GENERATORALTERNATERATEDKWHANDLER_ALTERNATE_3_SELECTED	R	NO ACCESS
4115	GENERATORALTERNATERATEDKWHANDLER_ALTERNATE_4_SELECTED	R	NO ACCESS
4116	ECU_METERING_UREA_BURNOFF_INCREASE_LOAD_PA	R	NO ACCESS
4117	GENSETCONTROLLER_RUNREQCOMS	R W	CONTROL ACCESS
4118	GENSETCONTROLLER_ATS_START_INHIBIT	R	NO ACCESS
4119	GENSETCONTROLLER_GENSET_CONTROL_DIRECT	R	NO ACCESS
4120	GENSETCONTROLLER_GENSET_CONTROL_SUPERVISORY	R	NO ACCESS
4121	GENSETCONTROLLER_ENGINE_START_FAIL	R	NO ACCESS
4122	GENSETCONTROLLER_IN_SUPERVISOR_STARTING_STATE	R	NO ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
4123	COMSCONTROLGROUP RESET FROM PLC	R W	CONTROL ACCESS
4124	COMSCONTROLGROUP ALARM SILENCE FROM PLC	R W	CONTROL ACCESS
4125	COMSCONTROLGROUP LAMP TEST FROM PLC	R W	CONTROL ACCESS
4126	COMSCONTROLGROUP RESET BUS1PROT FROM PLC	R W	CONTROL ACCESS
4127	COMSCONTROLGROUP RESET BUS2PROT FROM PLC	R W	CONTROL ACCESS
4128	COMSCONTROLGROUP OFF FROM COMMS	R W	CONTROL ACCESS
4129	COMSCONTROLGROUP AUTO FROM COMMS	R W	CONTROL ACCESS
4130	COMSCONTROLGROUP RUN FROM COMMS	R W	CONTROL ACCESS
4131	COMSCONTROLGROUP REMOTE START FROM COMMS	R W	CONTROL ACCESS
4132	DEMAND START STOP SPINNINGRESERVEOFFSET1ENABLE	R W	CONTROL ACCESS
4133	DEMAND START STOP SPINNINGRESERVEOFFSET2ENABLE	R W	CONTROL ACCESS
4134	DEMAND START STOP SPINNINGRESERVEOFFSET3ENABLE	R W	CONTROL ACCESS
4135	DEMAND START STOP SPINNINGRESERVEOFFSET4ENABLE	R W	CONTROL ACCESS
4136	DEMAND START STOP SPINNINGRESERVEOFFSET5ENABLE	R W	CONTROL ACCESS
4137	DEMAND START STOP SPINNINGRESERVEOFFSET6ENABLE	R W	CONTROL ACCESS
4138	DEMAND START STOP SPINNINGRESERVEOFFSET7ENABLE	R W	CONTROL ACCESS
4139	DEMAND START STOP SPINNINGRESERVEOFFSET8ENABLE	R W	CONTROL ACCESS
4140	DEMAND START STOP SPINNINGRESERVEOFFSET9ENABLE	R W	CONTROL ACCESS
4141	DEMAND START STOP SPINNINGRESERVEOFFSET10ENABLE	R W	CONTROL ACCESS
4142	DEMAND START STOP SPINNINGRESERVEOFFSET11ENABLE	R W	CONTROL ACCESS
4143	DEMAND START STOP SPINNINGRESERVEOFFSET12ENABLE	R W	CONTROL ACCESS
4144	DEMAND START STOP SPINNINGRESERVEOFFSET13ENABLE	R W	CONTROL ACCESS
4145	DEMAND START STOP SPINNINGRESERVEOFFSET14ENABLE	R W	CONTROL ACCESS
4146	DEMAND START STOP SPINNINGRESERVEOFFSET15ENABLE	R W	CONTROL ACCESS
4147	DEMAND START STOP SPINNINGRESERVEOFFSET16ENABLE	R W	CONTROL ACCESS
4148	SEQSTARTSTOP SYSTEMMANAGER	R	NO ACCESS
4149	ECU CONFIG DPF MANUAL REGENERATE FROM PLC	R W	CONTROL ACCESS
4150	ECU CONFIG DPF REGENERATE DISABLE FROM PLC	R W	CONTROL ACCESS
4151	ECU CONFIG MTU CYL CUTOFF DISABLE FROM PLC	R W	CONTROL ACCESS
4152	ECU CONFIG SHOW OIL PRESSURE LAMP SYMBOL	R	NO ACCESS
4153	ECU CONFIG SHOW COOLANT TEMPERATURE LAMP SYMBOL	R	NO ACCESS
4154	ECU CONFIG SHOW WATER IN FUEL LAMP SYMBOL	R	NO ACCESS
4155	ECU CONFIG SHOW FILLER NOZZLE LAMP SYMBOL	R	NO ACCESS
4156	ECU CONFIG SHOW ENGINE DERATE 1 LAMP SYMBOL	R	NO ACCESS
4157	ECU CONFIG SHOW ENGINE DERATE 2 LAMP SYMBOL	R	NO ACCESS
4158	ECU CONFIG DEF TECH FAIL PA	R	NO ACCESS
4159	ECU CONFIG HIGH COOLNT TEMP PA	R	NO ACCESS
4160	ECU CONFIG HIGH COOLNT TEMP SVR PA	R	NO ACCESS
4161	ECU CONFIG LOW OIL PRS PA	R	NO ACCESS
4162	ECU CONFIG WATER IN FUEL PA	R	NO ACCESS
4163	ECU CONFIG RGN INHBT TMP LCKOUT PA	R	NO ACCESS
4164	ECU CONFIG RGN INHBT PRMT LCKOUT PA	R	NO ACCESS
4165	ECU CONFIG RGN INHBT ACL PDL OFF IDL PA	R	NO ACCESS
4166	ECU CONFIG RGN INHBT SYS FLT PA	R	NO ACCESS
4167	ECU CONFIG RGN ACTIVE PA	R	NO ACCESS
4168	ECU CONFIG CRIT EMSSN FAIL PA	R	NO ACCESS
4169	ECU CONFIG INCRRCT DEF PA	R	NO ACCESS
4170	ECU CONFIG DEF DSNG MLFNCT PA	R	NO ACCESS
4171	ECU CONFIG SOOT CRITICAL PA	R	NO ACCESS
4172	SYNC SYNCACTIVEMODEOVERRIDE	R W	CONTROL ACCESS
4173	SYNC SYNCCHECKMODEOVERRIDE	R W	CONTROL ACCESS
4174	SYNC SYNCONLYMODEOVERRIDE	R W	CONTROL ACCESS
4175	SYNC FGEN GT FBUS OVERRIDE	R	NO ACCESS
4176	SYNC FGEN LT FBUS OVERRIDE	R	NO ACCESS
4177	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL1OVERRIDE	R W	CONTROL ACCESS
4178	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL2OVERRIDE	R W	CONTROL ACCESS
4179	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL3OVERRIDE	R W	CONTROL ACCESS
4180	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL4OVERRIDE	R W	CONTROL ACCESS
4181	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL5OVERRIDE	R W	CONTROL ACCESS
4182	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL6OVERRIDE	R W	CONTROL ACCESS
4183	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL7OVERRIDE	R W	CONTROL ACCESS
4184	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL8OVERRIDE	R W	CONTROL ACCESS
4185	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL9OVERRIDE	R W	CONTROL ACCESS
4186	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL10OVERRIDE	R W	CONTROL ACCESS
4187	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL11OVERRIDE	R W	CONTROL ACCESS
4188	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL12OVERRIDE	R W	CONTROL ACCESS
4189	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL13OVERRIDE	R W	CONTROL ACCESS
4190	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL14OVERRIDE	R W	CONTROL ACCESS
4191	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL15OVERRIDE	R W	CONTROL ACCESS
4192	BREAKERLOCALREQUESTGENERATION BLOCKLOADLEVEL16OVERRIDE	R W	CONTROL ACCESS
4193	BREAKERLOCALREQUESTGENERATION BLOCKLOADOFFSET1ENABLE	R W	CONTROL ACCESS
4194	BREAKERLOCALREQUESTGENERATION BLOCKLOADOFFSET2ENABLE	R W	CONTROL ACCESS
4195	BREAKERLOCALREQUESTGENERATION BLOCKLOADOFFSET3ENABLE	R W	CONTROL ACCESS
4196	BREAKERLOCALREQUESTGENERATION BLOCKLOADOFFSET4ENABLE	R W	CONTROL ACCESS
4197	BREAKERLOCALREQUESTGENERATION BLOCKLOADOFFSET5ENABLE	R W	CONTROL ACCESS
4198	BREAKERLOCALREQUESTGENERATION BLOCKLOADOFFSET6ENABLE	R W	CONTROL ACCESS
4199	BREAKERLOCALREQUESTGENERATION BLOCKLOADOFFSET7ENABLE	R W	CONTROL ACCESS
4200	BREAKERLOCALREQUESTGENERATION BLOCKLOADOFFSET8ENABLE	R W	CONTROL ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
4201	BREAKERLOCALREQUESTGENERATION_BLOCKLOADOFFSET9ENABLE	R W	CONTROL ACCESS
4202	BREAKERLOCALREQUESTGENERATION_BLOCKLOADOFFSET10ENABLE	R W	CONTROL ACCESS
4203	BREAKERLOCALREQUESTGENERATION_BLOCKLOADOFFSET11ENABLE	R W	CONTROL ACCESS
4204	BREAKERLOCALREQUESTGENERATION_BLOCKLOADOFFSET12ENABLE	R W	CONTROL ACCESS
4205	BREAKERLOCALREQUESTGENERATION_BLOCKLOADOFFSET13ENABLE	R W	CONTROL ACCESS
4206	BREAKERLOCALREQUESTGENERATION_BLOCKLOADOFFSET14ENABLE	R W	CONTROL ACCESS
4207	BREAKERLOCALREQUESTGENERATION_BLOCKLOADOFFSET15ENABLE	R W	CONTROL ACCESS
4208	BREAKERLOCALREQUESTGENERATION_BLOCKLOADOFFSET16ENABLE	R W	CONTROL ACCESS
4209	BIASCONTROL_STOP_KW_RAMP	R W	CONTROL ACCESS
4210	BIASCONTROL_STOP_KVAR_RAMP	R W	CONTROL ACCESS
4211	BIASCONTROL_VOLTAGE_TRIM_INHIBIT	R W	CONTROL ACCESS
4212	BIASCONTROL_SPEED_TRIM_INHIBIT	R W	CONTROL ACCESS
4213	BIASCONTROL_DROOP_OVERRIDE	R W	CONTROL ACCESS
4214	BIASCONTROL_ISLANDED_MANUAL_KW_MODE	R W	CONTROL ACCESS
4215	BIASCONTROL_ISLANDED_AUTO_KW_MODE	R W	CONTROL ACCESS
4216	BIASCONTROL_MAINS_PARALLEL_MANUAL_KW_MODE	R W	CONTROL ACCESS
4217	BIASCONTROL_MAINS_PARALLEL_AUTO_KW_MODE	R W	CONTROL ACCESS
4218	BIASCONTROL_ALTERNATEVOLTAGEOVERRIDE1	R W	CONTROL ACCESS
4219	BIASCONTROL_ALTERNATEVOLTAGEOVERRIDE2	R W	CONTROL ACCESS
4220	BIASCONTROL_ALTERNATEVOLTAGEOVERRIDE3	R W	CONTROL ACCESS
4221	BIASCONTROL_ALTERNATEVOLTAGEOVERRIDE4	R W	CONTROL ACCESS
4222	BIASCONTROL_LOADANTICIPATIONINHIBIT	R W	CONTROL ACCESS
4223	BIASCONTROL_ACTIVATEVOLTTRIMPREPOSITION1	R W	CONTROL ACCESS
4224	BIASCONTROL_ACTIVATEVOLTTRIMPREPOSITION2	R W	CONTROL ACCESS
4225	BIASCONTROL_ACTIVATEVOLTTRIMPREPOSITION3	R W	CONTROL ACCESS
4226	BIASCONTROL_ACTIVATEVOLTTRIMPREPOSITION4	R W	CONTROL ACCESS
4227	BIASCONTROL_AVRLOWERLIMIT	R W	CONTROL ACCESS
4228	BIASCONTROL_AVRUPPERLIMIT	R W	CONTROL ACCESS
4229	BIASCONTROL_VOLTAGE_DROOP_OVERRIDE	R W	CONTROL ACCESS
4230	BIASCONTROL_ANALOG_LOAD_SHARE_OVERRIDE	R W	CONTROL ACCESS
4231	BIASCONTROL_VOLTAGE_TRIM_DROOP_ENABLE	R W	CONTROL ACCESS
4232	BIASCONTROL_SPEED_TRIM_DROOP_ENABLE	R W	CONTROL ACCESS
4233	BIASCONTROL_KW_CONTROL_INHIBIT_FROM_PLC	R W	CONTROL ACCESS
4234	BIASCONTROL_KVAR_CONTROL_INHIBIT_FROM_PLC	R W	CONTROL ACCESS
4235	BIAS_CONTROL_GAINS_GROUP_HANDLER_GAIN_GROUP_0_SELECTED_FROM_COMMS	R W	CONTROL ACCESS
4236	BIAS_CONTROL_GAINS_GROUP_HANDLER_GAIN_GROUP_1_SELECTED_FROM_COMMS	R W	CONTROL ACCESS
4237	BIAS_CONTROL_GAINS_GROUP_HANDLER_GAIN_GROUP_2_SELECTED_FROM_COMMS	R W	CONTROL ACCESS
4238	BIAS_CONTROL_GAINS_GROUP_HANDLER_GAIN_GROUP_3_SELECTED_FROM_COMMS	R W	CONTROL ACCESS
4239	BIAS_CONTROL_GAINS_GROUP_HANDLER_GAIN_GROUP_0_ACTIVE	R	NO ACCESS
4240	BIAS_CONTROL_GAINS_GROUP_HANDLER_GAIN_GROUP_1_ACTIVE	R	NO ACCESS
4241	BIAS_CONTROL_GAINS_GROUP_HANDLER_GAIN_GROUP_2_ACTIVE	R	NO ACCESS
4242	BIAS_CONTROL_GAINS_GROUP_HANDLER_GAIN_GROUP_3_ACTIVE	R	NO ACCESS
4243	BIAS_CONTROL_GAINS_GROUP_HANDLER_PRIMARY_GAINS_ACTIVE	R	NO ACCESS
4244	BASELOAD_LEVEL_RAISE	R W	CONTROL ACCESS
4245	BASELOAD_LEVEL_LOWER	R W	CONTROL ACCESS
4246	BASELOAD_LEVEL_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS
4247	BASELOAD_LEVEL_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4248	BASELOAD_LEVEL_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4249	BASELOAD_LEVEL_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4250	BASELOAD_LEVEL_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4251	PEAK_SHAVE_RAISE	R W	CONTROL ACCESS
4252	PEAK_SHAVE_LOWER	R W	CONTROL ACCESS
4253	PEAK_SHAVE_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS
4254	PEAK_SHAVE_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4255	PEAK_SHAVE_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4256	PEAK_SHAVE_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4257	PEAK_SHAVE_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4258	IMPORT/EXPORT_RAISE	R W	CONTROL ACCESS
4259	IMPORT/EXPORT_LOWER	R W	CONTROL ACCESS
4260	IMPORT/EXPORT_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS
4261	IMPORT/EXPORT_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4262	IMPORT/EXPORT_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4263	IMPORT/EXPORT_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4264	IMPORT/EXPORT_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4265	VOLTAGE_TRIM_RAISE	R W	CONTROL ACCESS
4266	VOLTAGE_TRIM_LOWER	R W	CONTROL ACCESS
4267	VOLTAGE_TRIM_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS
4268	VOLTAGE_TRIM_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4269	VOLTAGE_TRIM_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4270	VOLTAGE_TRIM_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4271	VOLTAGE_TRIM_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4272	SPEED_TRIM_RAISE	R W	CONTROL ACCESS
4273	SPEED_TRIM_LOWER	R W	CONTROL ACCESS
4274	SPEED_TRIM_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
4275	SPEED_TRIM_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4276	SPEED_TRIM_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4277	SPEED_TRIM_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4278	SPEED_TRIM_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4279	BASELOAD_LEVEL_RAISE	R W	CONTROL ACCESS
4280	BASELOAD_LEVEL_LOWER	R W	CONTROL ACCESS
4281	BASELOAD_LEVEL_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS
4282	BASELOAD_LEVEL_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4283	BASELOAD_LEVEL_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4284	BASELOAD_LEVEL_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4285	BASELOAD_LEVEL_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4286	ISLAND_BASELOAD_LEVEL_RAISE	R W	CONTROL ACCESS
4287	ISLAND_BASELOAD_LEVEL_LOWER	R W	CONTROL ACCESS
4288	ISLAND_BASELOAD_LEVEL_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS
4289	ISLAND_BASELOAD_LEVEL_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4290	ISLAND_BASELOAD_LEVEL_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4291	ISLAND_BASELOAD_LEVEL_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4292	ISLAND_BASELOAD_LEVEL_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4293	KVAR_SETPOINT_RAISE	R W	CONTROL ACCESS
4294	KVAR_SETPOINT_LOWER	R W	CONTROL ACCESS
4295	KVAR_SETPOINT_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS
4296	KVAR_SETPOINT_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4297	KVAR_SETPOINT_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4298	KVAR_SETPOINT_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4299	KVAR_SETPOINT_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4300	PF_SETPOINT_RAISE	R W	CONTROL ACCESS
4301	PF_SETPOINT_LOWER	R W	CONTROL ACCESS
4302	PF_SETPOINT_ACTIVATEPREPOSITION1	R W	CONTROL ACCESS
4303	PF_SETPOINT_ACTIVATEPREPOSITION2	R W	CONTROL ACCESS
4304	PF_SETPOINT_ACTIVATEPREPOSITION3	R W	CONTROL ACCESS
4305	PF_SETPOINT_ACTIVATEPREPOSITION4	R W	CONTROL ACCESS
4306	PF_SETPOINT_ACTIVATEPREPOSITION5	R W	CONTROL ACCESS
4307	MODBUS_VIRTUAL_SWITCH1	R W	CONTROL ACCESS
4308	MODBUS_VIRTUAL_SWITCH2	R W	CONTROL ACCESS
4309	MODBUS_VIRTUAL_SWITCH3	R W	CONTROL ACCESS
4310	MODBUS_VIRTUAL_SWITCH4	R W	CONTROL ACCESS
4311	MODBUS_VIRTUAL_SWITCH5	R W	CONTROL ACCESS
4312	MODBUS_VIRTUAL_SWITCH6	R W	CONTROL ACCESS
4313	MODBUS_VIRTUAL_SWITCH7	R W	CONTROL ACCESS
4314	MODBUS_VIRTUAL_SWITCH8	R W	CONTROL ACCESS
4315	MODBUS_VIRTUAL_SWITCH9	R W	CONTROL ACCESS
4316	MODBUS_VIRTUAL_SWITCH10	R W	CONTROL ACCESS
4317	MODBUS_VIRTUAL_SWITCH11	R W	CONTROL ACCESS
4318	MODBUS_VIRTUAL_SWITCH12	R W	CONTROL ACCESS
4319	MODBUS_VIRTUAL_SWITCH13	R W	CONTROL ACCESS
4320	MODBUS_VIRTUAL_SWITCH14	R W	CONTROL ACCESS
4321	MODBUS_VIRTUAL_SWITCH15	R W	CONTROL ACCESS
4322	MODBUS_VIRTUAL_SWITCH16	R W	CONTROL ACCESS
4323	MODBUS_VIRTUAL_SWITCH17	R W	CONTROL ACCESS
4324	MODBUS_VIRTUAL_SWITCH18	R W	CONTROL ACCESS
4325	MODBUS_VIRTUAL_SWITCH19	R W	CONTROL ACCESS
4326	MODBUS_VIRTUAL_SWITCH20	R W	CONTROL ACCESS
4327	MODBUS_VIRTUAL_SWITCH21	R W	CONTROL ACCESS
4328	MODBUS_VIRTUAL_SWITCH22	R W	CONTROL ACCESS
4329	MODBUS_VIRTUAL_SWITCH23	R W	CONTROL ACCESS
4330	MODBUS_VIRTUAL_SWITCH24	R W	CONTROL ACCESS
4331	MODBUS_VIRTUAL_SWITCH25	R W	CONTROL ACCESS
4332	MODBUS_VIRTUAL_SWITCH26	R W	CONTROL ACCESS
4333	MODBUS_VIRTUAL_SWITCH27	R W	CONTROL ACCESS
4334	MODBUS_VIRTUAL_SWITCH28	R W	CONTROL ACCESS
4335	MODBUS_VIRTUAL_SWITCH29	R W	CONTROL ACCESS
4336	MODBUS_VIRTUAL_SWITCH30	R W	CONTROL ACCESS
4337	MODBUS_VIRTUAL_SWITCH31	R W	CONTROL ACCESS
4338	MODBUS_VIRTUAL_SWITCH32	R W	CONTROL ACCESS
4339	MODBUS_VIRTUAL_SWITCH33	R W	CONTROL ACCESS
4340	MODBUS_VIRTUAL_SWITCH34	R W	CONTROL ACCESS
4341	MODBUS_VIRTUAL_SWITCH35	R W	CONTROL ACCESS
4342	MODBUS_VIRTUAL_SWITCH36	R W	CONTROL ACCESS
4343	MODBUS_VIRTUAL_SWITCH37	R W	CONTROL ACCESS
4344	MODBUS_VIRTUAL_SWITCH38	R W	CONTROL ACCESS
4345	MODBUS_VIRTUAL_SWITCH39	R W	CONTROL ACCESS
4346	MODBUS_VIRTUAL_SWITCH40	R W	CONTROL ACCESS
4347	MODBUS_VIRTUAL_SWITCH41	R W	CONTROL ACCESS
4348	MODBUS_VIRTUAL_SWITCH42	R W	CONTROL ACCESS
4349	MODBUS_VIRTUAL_SWITCH43	R W	CONTROL ACCESS
4350	MODBUS_VIRTUAL_SWITCH44	R W	CONTROL ACCESS
4351	MODBUS_VIRTUAL_SWITCH45	R W	CONTROL ACCESS
4352	MODBUS_VIRTUAL_SWITCH46	R W	CONTROL ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
4353	MODBUS_VIRTUAL_SWITCH47	R W	CONTROL ACCESS
4354	MODBUS_VIRTUAL_SWITCH48	R W	CONTROL ACCESS
4355	MODBUS_VIRTUAL_SWITCH49	R W	CONTROL ACCESS
4356	MODBUS_VIRTUAL_SWITCH50	R W	CONTROL ACCESS
4357	MODBUS_VIRTUAL_SWITCH51	R W	CONTROL ACCESS
4358	MODBUS_VIRTUAL_SWITCH52	R W	CONTROL ACCESS
4359	MODBUS_VIRTUAL_SWITCH53	R W	CONTROL ACCESS
4360	MODBUS_VIRTUAL_SWITCH54	R W	CONTROL ACCESS
4361	MODBUS_VIRTUAL_SWITCH55	R W	CONTROL ACCESS
4362	MODBUS_VIRTUAL_SWITCH56	R W	CONTROL ACCESS
4363	MODBUS_VIRTUAL_SWITCH57	R W	CONTROL ACCESS
4364	MODBUS_VIRTUAL_SWITCH58	R W	CONTROL ACCESS
4365	MODBUS_VIRTUAL_SWITCH59	R W	CONTROL ACCESS
4366	MODBUS_VIRTUAL_SWITCH60	R W	CONTROL ACCESS
4367	MODBUS_VIRTUAL_SWITCH61	R W	CONTROL ACCESS
4368	MODBUS_VIRTUAL_SWITCH62	R W	CONTROL ACCESS
4369	MODBUS_VIRTUAL_SWITCH63	R W	CONTROL ACCESS
4370	MODBUS_VIRTUAL_SWITCH64	R W	CONTROL ACCESS
4371	MODBUS_VIRTUAL_SWITCH65	R W	CONTROL ACCESS
4372	MODBUS_VIRTUAL_SWITCH66	R W	CONTROL ACCESS
4373	MODBUS_VIRTUAL_SWITCH67	R W	CONTROL ACCESS
4374	MODBUS_VIRTUAL_SWITCH68	R W	CONTROL ACCESS
4375	MODBUS_VIRTUAL_SWITCH69	R W	CONTROL ACCESS
4376	MODBUS_VIRTUAL_SWITCH70	R W	CONTROL ACCESS
4377	MODBUS_VIRTUAL_SWITCH71	R W	CONTROL ACCESS
4378	MODBUS_VIRTUAL_SWITCH72	R W	CONTROL ACCESS
4379	MODBUS_VIRTUAL_SWITCH73	R W	CONTROL ACCESS
4380	MODBUS_VIRTUAL_SWITCH74	R W	CONTROL ACCESS
4381	MODBUS_VIRTUAL_SWITCH75	R W	CONTROL ACCESS
4382	MODBUS_VIRTUAL_SWITCH76	R W	CONTROL ACCESS
4383	MODBUS_VIRTUAL_SWITCH77	R W	CONTROL ACCESS
4384	MODBUS_VIRTUAL_SWITCH78	R W	CONTROL ACCESS
4385	MODBUS_VIRTUAL_SWITCH79	R W	CONTROL ACCESS
4386	MODBUS_VIRTUAL_SWITCH80	R W	CONTROL ACCESS
4387	MODBUS_VIRTUAL_SWITCH81	R W	CONTROL ACCESS
4388	MODBUS_VIRTUAL_SWITCH82	R W	CONTROL ACCESS
4389	MODBUS_VIRTUAL_SWITCH83	R W	CONTROL ACCESS
4390	MODBUS_VIRTUAL_SWITCH84	R W	CONTROL ACCESS
4391	MODBUS_VIRTUAL_SWITCH85	R W	CONTROL ACCESS
4392	MODBUS_VIRTUAL_SWITCH86	R W	CONTROL ACCESS
4393	MODBUS_VIRTUAL_SWITCH87	R W	CONTROL ACCESS
4394	MODBUS_VIRTUAL_SWITCH88	R W	CONTROL ACCESS
4395	MODBUS_VIRTUAL_SWITCH89	R W	CONTROL ACCESS
4396	MODBUS_VIRTUAL_SWITCH90	R W	CONTROL ACCESS
4397	MODBUS_VIRTUAL_SWITCH91	R W	CONTROL ACCESS
4398	MODBUS_VIRTUAL_SWITCH92	R W	CONTROL ACCESS
4399	MODBUS_VIRTUAL_SWITCH93	R W	CONTROL ACCESS
4400	MODBUS_VIRTUAL_SWITCH94	R W	CONTROL ACCESS
4401	MODBUS_VIRTUAL_SWITCH95	R W	CONTROL ACCESS
4402	MODBUS_VIRTUAL_SWITCH96	R W	CONTROL ACCESS
4403	MODBUS_VIRTUAL_SWITCH97	R W	CONTROL ACCESS
4404	MODBUS_VIRTUAL_SWITCH98	R W	CONTROL ACCESS
4405	MODBUS_VIRTUAL_SWITCH99	R W	CONTROL ACCESS
4406	MODBUS_VIRTUAL_SWITCH100	R W	CONTROL ACCESS
4407	MODBUS_VIRTUAL_SWITCH101	R W	CONTROL ACCESS
4408	MODBUS_VIRTUAL_SWITCH102	R W	CONTROL ACCESS
4409	MODBUS_VIRTUAL_SWITCH103	R W	CONTROL ACCESS
4410	MODBUS_VIRTUAL_SWITCH104	R W	CONTROL ACCESS
4411	MODBUS_VIRTUAL_SWITCH105	R W	CONTROL ACCESS
4412	MODBUS_VIRTUAL_SWITCH106	R W	CONTROL ACCESS
4413	MODBUS_VIRTUAL_SWITCH107	R W	CONTROL ACCESS
4414	MODBUS_VIRTUAL_SWITCH108	R W	CONTROL ACCESS
4415	MODBUS_VIRTUAL_SWITCH109	R W	CONTROL ACCESS
4416	MODBUS_VIRTUAL_SWITCH110	R W	CONTROL ACCESS
4417	MODBUS_VIRTUAL_SWITCH111	R W	CONTROL ACCESS
4418	MODBUS_VIRTUAL_SWITCH112	R W	CONTROL ACCESS
4419	MODBUS_VIRTUAL_SWITCH113	R W	CONTROL ACCESS
4420	MODBUS_VIRTUAL_SWITCH114	R W	CONTROL ACCESS
4421	MODBUS_VIRTUAL_SWITCH115	R W	CONTROL ACCESS
4422	MODBUS_VIRTUAL_SWITCH116	R W	CONTROL ACCESS
4423	MODBUS_VIRTUAL_SWITCH117	R W	CONTROL ACCESS
4424	MODBUS_VIRTUAL_SWITCH118	R W	CONTROL ACCESS
4425	MODBUS_VIRTUAL_SWITCH119	R W	CONTROL ACCESS
4426	MODBUS_VIRTUAL_SWITCH120	R W	CONTROL ACCESS
4427	MODBUS_VIRTUAL_SWITCH121	R W	CONTROL ACCESS
4428	MODBUS_VIRTUAL_SWITCH122	R W	CONTROL ACCESS
4429	MODBUS_VIRTUAL_SWITCH123	R W	CONTROL ACCESS
4430	MODBUS_VIRTUAL_SWITCH124	R W	CONTROL ACCESS

Coil Number	Binary Point Name	R/W	Write Access Level
4431	MODBUS_VIRTUAL_SWITCH125	R W	CONTROL_ACCESS
4432	MODBUS_VIRTUAL_SWITCH126	R W	CONTROL_ACCESS
4433	MODBUS_VIRTUAL_SWITCH127	R W	CONTROL_ACCESS
4434	MODBUS_VIRTUAL_SWITCH128	R W	CONTROL_ACCESS

18 • Selectable Parameters

All selectable parameters available to configurable protection elements and analog outputs are listed below. Parameters marked with "(G)" are not applicable if the controller is configured as a tie breaker.

No Parameter=0	Bus 2 kW A=64	lop N=128
Oil Pressure=1 (G)	Bus 2 kW B=65	Sys Total kW Cap=129
Coolant Temp=2 (G)	Bus 2 kW C=66	Sys Generated kW Percent=130
Battery Volts=3	Bus 2 kW Total=67	DPF Outlet Gas Temp=131
RPM=4 (G)	Gen kVA A=68	Sys Group Bus Freq=132
Fuel Level=5 (G)	Gen kVA B=69	Sys Group Vavg=133
Gen Hz=6	Gen kVA C=70	Sys Group lavg=134
Gen VAB=7	Gen kVA Total=71	Sys Group Bus Total Watt=135
Gen VBC=8	Bus 1 kVA A=72	Sys Group Bus Total Var=136
Gen VCA=9	Bus 1 kVA B=73	Sys Group Bus Total PF=137
Gen Vavg LL=10	Bus 1 kVA C=74	Sys Load Bus Freq=138
Gen VAN=11	Bus 1 kVA Total=75	Sys Load Vavg=139
Gen VBN=12	Bus 2 kVA A=76	Sys Load lavg=140
Gen VCN=13	Bus 2 kVA B=77	Sys Load Bus Total Watt=141
Gen Vavg LN=14	Bus 2 kVA C=78	Sys Load Bus Total Var=142
Bus 1 Hz=15	Bus 2 kVA Total=79	Sys Load Bus Total PF=143
Bus 1 VAB=16	Gen kvar A=80	Sys Mains Bus Freq=144
Bus 1 VBC=17	Gen kvar B=81	Sys Mains Vavg=145
Bus 1 VCA=18	Gen kvar C=82	Sys Mains lavg=146
Bus 1 Vavg LL=19	Gen kvar Total=83	Sys Mains Bus Total Watt=147
Bus 1 VA=20	Bus 1 kvar A=84	Sys Mains Bus Total Var=148
Bus 1 VB=21	Bus 1 kvar B=85	Sys Mains Bus Total PF=149
Bus 1 VC=22	Bus 1 kvar C=86	Voltage Bias=150 (G)
Bus 1 Vavg LN=23	Bus 1 kvar Total=87	Speed Bias=151 (G)
Bus 2 Hz=24	Bus 2 kvar A=88	Speed PID=152 (G)
Bus 2 VAB=25	Bus 2 kvar B=89	Volt PID=153 (G)
Bus 2 VBC=26	Bus 2 kvar C=90	KW PID=154 (G)
Bus 2 VCA=27	Bus 2 kvar Total=91	KVar PID=155 (G)
Bus 2 Vavg LL=28	Fuel Pressure=92 (G)	Ramped Watt Demand PU=156 (G)
Bus 2 VAN=29	Injector metering rail pressure=93 (G)	Watt Demand PU=157 (G)
Bus 2 VBN=30	Total Fuel Used=94 (G)	Ramped Var Demand PU=158 (G)
Bus 2 VCN=31	Fuel temperature=95 (G)	Var Demand PU=159 (G)
Bus 2 Vavg LN=32	Engine oil temperature=96 (G)	Speed Error=160 (G)
Gen PF=33	Engine intercooler temperature=97 (G)	Volt Error=161 (G)
Bus 1 PF=34	Coolant pressure=98 (G)	KW Error=162 (G)
Bus 2 PF=35	Fuel Rate=99 (G)	KVar Error=163 (G)
Gen Pos kWh=36	Boost pressure=100 (G)	PF Setpoint=164 (G)
Gen Neg kWh=37	Intake manifold temperature=101 (G)	Sys Online kvar Cap=165
Bus 1 Pos kWh=38	Charge air temperature=102 (G)	Act Seg Units=166
Bus 1 Neg kWh=39	Engine Percent Load=103 (G)	Reserve Available=167
Bus 2 Pos kWh=40	Analog Input 1=104	Adjusted Reserve Available=168
Bus 2 Neg kWh=41	Analog Input 2=105	Mains Baseload=169
Gen IA=42	Analog Input 3=106	Total System kW Load=170
Gen IB=43	Analog Input 4=107	Slip Angle=171
Gen IC=44	kW Load Percent=108 (G)	Slip Freq=172
Gen I Avg=45	Number of Units Online=109	Sync Volt Diff=173
Bus 1 IA=46	System kW Capacity=110	Load Share Input=174 (G)
Bus 1 IB=47	System Total Gen kW=111	LAF Washout=175 (G)
Bus 1 IC=48	System Total Gen kvar=112	LAF LeadLag=176 (G)
Bus 1 lavg=49	Num Units=113	LAF Output=177 (G)
Bus 2 IAN=50	DEF Tank Level 1=114 (G)	AEM 1 Analog Input 1=300
Bus 2 IBN=51	DEF Tank Level 2=115 (G)	AEM 1 Analog Input 2=301
Bus 2 ICN=52	lop A=116	AEM 1 Analog Input 3=302
Bus 2 lavg=53	Ir A=117	AEM 1 Analog Input 4=303
IG=54	lop 2nd A=118	AEM 1 Analog Input 5=304
I Aux=55 (G)	lop 5th A=119	AEM 1 Analog Input 6=305
Gen kW A=56	lop B=120	AEM 1 Analog Input 7=306
Gen kW B=57	Ir B=121	AEM 1 Analog Input 8=307
Gen kW C=58	lop 2nd B=122	AEM 1 RTD Input 1=308
Gen kW Total=59	lop 5th B=123	AEM 1 RTD Input 2=309
Bus 1 kW A=60	lop C=124	AEM 1 RTD Input 3=310
Bus 1 kW B=61	Ir C=125	AEM 1 RTD Input 4=311
Bus 1 kW C=62	lop 2nd C=126	AEM 1 RTD Input 5=312
Bus 1 kW Total=63	lop 5th C=127	AEM 1 RTD Input 6=313

AEM 1 RTD Input 7=314	Brkr Sum 4 kW=387	Batt Chg 1 Volts=465 (G)
AEM 1 RTD Input 8=315	Brkr Sum 4 kvar=388	Batt Chg 1 Amps=466
AEM 1 TC Input 1=316	Brkr Sum 5 kW=389	Batt Chg 2 Volts=467 (G)
AEM 1 TC Input 2=317	Brkr Sum 5 kvar=390	Batt Chg 2 Amps=468 (G)
AEM 2 Analog Input 1=318	Brkr Sum 6 kW=391	Battery 1 Temp=469 (G)
AEM 2 Analog Input 2=319	Brkr Sum 6 kvar=392	Battery 2 Temp=470 (G)
AEM 2 Analog Input 3=320	Brkr Sum 7 kW=393	Crankcase Pressure=471 (G)
AEM 2 Analog Input 4=321	Brkr Sum 7 kvar=394	Fuel Filter Diff Press=472 (G)
AEM 2 Analog Input 5=322	Brkr Sum 8 kW=395	Oil Filter Diff Press=473 (G)
AEM 2 Analog Input 6=323	Brkr Sum 8 kvar=396	Generated kW per Unit=474 (G)
AEM 2 Analog Input 7=324	Conf Prot Out 1=397	Generated kvar per Unit=475 (G)
AEM 2 Analog Input 8=325	Conf Prot Out 2=398	Doc Inlet Temperature=476 (G)
AEM 2 RTD Input 1=326	Conf Prot Out 3=399	Doc Outlet Temperature=477 (G)
AEM 2 RTD Input 2=327	Conf Prot Out 4=400	Throttle 1 Differential Pressure=478 (G)
AEM 2 RTD Input 3=328	Conf Prot Out 5=401	Gaseous Fuel Supply Pressure=479 (G)
AEM 2 RTD Input 4=329	Conf Prot Out 6=402	Engine Oil Level=480 (G)
AEM 2 RTD Input 5=330	Conf Prot Out 7=403	Active Watt Demand Per Unit 481 (G)
AEM 2 RTD Input 6=331	Conf Prot Out 8=404	Active Var Demand Per Unit 482 (G)
AEM 2 RTD Input 7=332	Conf Prot Out 9=405	
AEM 2 RTD Input 8=333	Conf Prot Out 10=406	
AEM 2 TC Input 1=334	Conf Prot Out 11=407	
AEM 2 TC Input 2=335	Conf Prot Out 12=408	
AEM 3 Analog Input 1=336	Conf Prot Out 13=409	
AEM 3 Analog Input 2=337	Conf Prot Out 14=410	
AEM 3 Analog Input 3=338	Conf Prot Out 15=411	
AEM 3 Analog Input 4=339	Conf Prot Out 16=412	
AEM 3 Analog Input 5=340	Conf Prot Out 17=413	
AEM 3 Analog Input 6=341	Conf Prot Out 18=414	
AEM 3 Analog Input 7=342	Conf Prot Out 19=415	
AEM 3 Analog Input 8=343	Conf Prot Out 20=416	
AEM 3 RTD Input 1=344	Conf Prot Out 21=417	
AEM 3 RTD Input 2=345	Conf Prot Out 22=418	
AEM 3 RTD Input 3=346	Conf Prot Out 23=419	
AEM 3 RTD Input 4=347	Conf Prot Out 24=420	
AEM 3 RTD Input 5=348	Conf Prot Out 25=421	
AEM 3 RTD Input 6=349	Conf Prot Out 26=422	
AEM 3 RTD Input 7=350	Conf Prot Out 27=423	
AEM 3 RTD Input 8=351	Conf Prot Out 28=424	
AEM 3 TC Input 1=352	Conf Prot Out 29=425	
AEM 3 TC Input 2=353	Conf Prot Out 30=426	
AEM 4 Analog Input 1=354	Conf Prot Out 31=427	
AEM 4 Analog Input 2=355	Conf Prot Out 32=428	
AEM 4 Analog Input 3=356	Field Current=429 (G)	
AEM 4 Analog Input 4=357	Field Voltage=430 (G)VRM Control	
AEM 4 Analog Input 5=358	Output=431 (G)	
AEM 4 Analog Input 6=359	VRM Tracking Error=432 (G)	
AEM 4 Analog Input 7=360	VRM AVR Setpoint=433 (G)	
AEM 4 Analog Input 8=361	VRM AVR Error=434 (G)	
AEM 4 RTD Input 1=362	VRM FCR Setpoint=435 (G)	
AEM 4 RTD Input 2=363	VRM FCR Error=436 (G)	
AEM 4 RTD Input 3=364	VRM OEL Reference=437 (G)	
AEM 4 RTD Input 4=365	VRM OEL Takeover Err=438 (G)	
AEM 4 RTD Input 5=366	VRM OEL Summing Err=439 (G)	
AEM 4 RTD Input 6=367	VRM OEL Summing Bias=440 (G)	
AEM 4 RTD Input 7=368	VRM UEL Reference=441 (G)	
AEM 4 RTD Input 8=369	VRM UEL Error=442 (G)	
AEM 4 TC Input 1=370	VRM UEL Bias=443 (G)	
AEM 4 TC Input 2=371	Config Log Param 1=444	
AVR Output=372	Config Log Param 2=445	
GOV Output=373	Config Log Param 3=446	
LS Output=374 (G)	Config Log Param 4=447	
Logic Input 1=375	Config Log Param 5=448	
Logic Input 2=376	Config Log Param 6=449	
Logic Input 3=377	VRM RTD Input 1=450 (G)	
Logic Input 4=378	VRM RTD Input 2=451 (G)	
Logic Input 5=379	VRM RTD Input 3=452 (G)	
Logic Input 6=380	VRM RTD Input 4=453 (G)	
Brkr Sum 1 kW=381	VRM RTD Input 5=454 (G)	
Brkr Sum 1 kvar=382	VRM RTD Input 6=455 (G)	
Brkr Sum 2 kW=383	VRM RTD Input 7=456 (G)	
Brkr Sum 2 kvar=384	VRM RTD Input 8=457 (G)	
Brkr Sum 3 kW=385	Vrm AVR Ref=459 (G)	
Brkr Sum 3 kvar=386	Vrm FCR Ref=460 (G)	

19 • Legacy Register Table

The DGC-2020HD maps all legacy parameters previously associated with the DGC-2020 into the Holding Register address space (4XXXXX). Query address N will access the Holding Register N+1. The Data Format is Integer type data unless identified otherwise in the Data Format column.

The register table on the following pages contains the following groups:

Breaker Management, Bias Control Settings, Pulse Outputs, Bus Condition Detection, Senders, System Configuration and Status, Control, Communication, Protection, Alarms, and Metering.

Breaker Management

Register	Description	Type	Units	Scaling Factor	R/W	Range
42000	Gen Breaker Configured	Int32	n/a	n/a	RW	0 = Not Configured 1 = Configured
42002	Gen Breaker Open Pulse Time	Int32	Centisecond	Centi	RW	1 - 80
42004	Gen Breaker Close Pulse Time	Int32	Centisecond	Centi	RW	1 - 80
42006	Gen Breaker Contact Type	Int32	n/a	n/a	RW	0 = Pulse 1 = Continuous
42008	Gen Breaker Close Time	Int32	Millisecond	n/a	RW	0 - 800
42010	Reserved					
42012	Mains Breaker Configured	Int32	n/a	n/a	RW	0 = Not Configured 1 = Configured
42014	Mains Breaker Open Pulse Time	Int32	Centisecond	Centi	RW	1 - 80
42016	Mains Breaker Close Pulse Time	Int32	Centisecond	Centi	RW	1 - 80
42018	Mains Breaker Output Continuous	Int32	n/a	n/a	RW	0 = Pulse 1 = Continuous
42020	Mains Breaker Close Time	Int32	Millisecond	n/a	RW	0 - 800
42022	Reserved					
42024	Synchronizer Type	Int32	n/a	n/a	RW	1 = Anticipatory 2 = Phase Lock Loop
42026	Synchronizer Mode	Int32	n/a	n/a	RW	0 = Off Mode 1 = Auto Mode
42028	Slip Frequency	Int32	CentiHertz	Centi	RW	1 - 50
42030	Breaker Closing Angle	Int32	DeciDegree	Deci	RW	30 - 200
42032	Regulation Offset	Int32	DeciPercent	Deci	RW	20 - 150
42034	Vgen > Vbus	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42036	Fgen > Fbus	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42038-40	Reserved					
42042	Breaker Close Fail Time	Float	Second	n/a	RW	0.1 - 600
42044	Sync Time Delay	Float	Second	n/a	RW	0.1 - 0.8
42046	Sync Fail Time Delay	Float	Second	n/a	RW	0.1 - 600
42048	Mains Fail Transfer Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42050	Gen Breaker Status	Int32	n/a	n/a	R	0 = Open 1 = Closed
42052	Mains Breaker Status	Int32	n/a	n/a	R	0 = Open 1 = Closed
42054	Mains Fail Transfer Delay	Int32	Second	n/a	RW	0 - 300
42056	Mains Fail Return Delay	Int32	Second	n/a	RW	0 - 1800
42058	Mains Fail Max Transfer Time	Int32	Second	n/a	RW	1 - 120
42060	Reserved					
42062	Dead Bus Close Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42064	Sync Speed Gain	Float	n/a	n/a	RW	0.001 - 1000
42066	Sync Voltage Gain	Float	n/a	n/a	RW	0.001 - 1000
42068	Max Parallel Time	Int32	Second	Deci	RW	1 - 100000
42070	Mains Fail Transfer Type	Int32	n/a	n/a	RW	0 = Open 1 = Close
42072	In Phase Monitor Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42074	Dead Gen Close Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42076	Reserved					
42078	Min Slip Control Limit	Int32	n/a	Centi	RW	0 - 200
42080	Max Slip Control Limit	Int32	n/a	Centi	RW	0 - 200
42082	Rev. Rotation Mains Fail Inhibit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable

Bias Control Settings

Register	Description	Type	Units	Scaling Factor	R/W	Range
42250	AVR Kp Proportional Gain	Float	n/a	n/a	RW	0 - 1000
42252	AVR Ki Integral Gain	Float	n/a	n/a	RW	0 - 1000
42254	AVR Kd Derivative Gain	Float	n/a	n/a	RW	0 - 1000
42256	AVR Td Filter Constant	Float	n/a	n/a	RW	0 - 1
42258	AVR Kg Loop Gain	Float	n/a	n/a	RW	0 - 1000
42260	AVR Windup Limit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42262	AVR Integrator Limit Plus	Float	n/a	n/a	RW	0 - 1000
42264	AVR Integrator Limit Minus	Float	n/a	n/a	RW	(-1000) - 0
42266	AVR Output Upper Limit	Float	n/a	n/a	RW	0 - 1000
42268	AVR Output Lower Limit	Float	n/a	n/a	RW	(-1000) - 0
42270	Reserved					
42272	Governor Kp Proportional Gain	Float	n/a	n/a	RW	0 - 1000
42274	Governor Ki Integral Gain	Float	n/a	n/a	RW	0 - 1000
42276	Governor Kd Derivative Gain	Float	n/a	n/a	RW	0 - 1000
42278	Governor Td Filter Constant	Float	n/a	n/a	RW	0 - 1
42280	Governor Loop Gain	Float	n/a	n/a	RW	0 - 1000
42282	Governor Windup Limit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42284	Governor Integrator Limit Plus	Float	n/a	n/a	RW	0 - 1000
42286	Governor Integrator Limit Minus	Float	n/a	n/a	RW	(-1000) - 0
42288	Governor Output Upper Limit	Float	n/a	n/a	RW	0 - 1000
42290	Governor Output Lower Limit	Float	n/a	n/a	RW	(-1000) - 0
42292	Reserved					
42294	kvar Kp	Float	n/a	n/a	RW	0 - 1000
42296	kvar Ki	Float	n/a	n/a	RW	0 - 1000
42298	kvar Kd	Float	n/a	n/a	RW	0 - 1000
42300	kvar Td	Float	n/a	n/a	RW	0 - 1
42302	kvar Loop Gain	Float	n/a	n/a	RW	0 - 1000
42304	kvar Windup Limit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42306	kvar Integrator Limit Plus	Float	n/a	n/a	RW	0 - 1000
42308	kvar Integrator Limit Minus	Float	N/A	n/a	RW	(-1000) - 0
42310	kvar Output Upper Limit	Float	n/a	n/a	RW	0 - 1000
42312	kvar Output Lower Limit	Float	n/a	n/a	RW	(-1000) - 0
42314	Reserved					
42316	kW Kp	Float	n/a	n/a	RW	0 - 1000
42318	kW Ki	Float	n/a	n/a	RW	0 - 1000
42320	kW Kd	Float	n/a	n/a	RW	0 - 1000
42322	kW Td	Float	n/a	n/a	RW	0 - 1
42324	kW Loop Gain	Float	n/a	n/a	RW	0 - 1000
42326	kW Windup Limit	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42328	kW Integrator Limit Plus	Float	n/a	n/a	RW	0 - 1000
42330	kW Integrator Limit Minus	Float	n/a	n/a	RW	(-1000) - 0
42332	kW Output Upper Limit	Float	n/a	n/a	RW	0 - 1000
42334	kW Output Lower Limit	Float	n/a	n/a	RW	(-1000) - 0
42336	Reserved					
42338	Droop Percent	Float	Percent	n/a	RW	0 - 10
42340	Load Control	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42342	kW Load Rate	Int32	n/a	Deci	RW	0 - 1000
42344	Breaker Open Setpoint	Int32	n/a	Deci	RW	0 - 1000
42346	AVR Bias Control Output Type	Int32	n/a	n/a	RW	0 = Contact 1 = Analog
42348	Governor Bias Control Output Type	Int32	n/a	n/a	RW	0 = Contact 1 = Analog
42350	Speed Droop Gain	Float	n/a	n/a	RW	0 - 1000
42352	Voltage Droop Gain	Float	n/a	n/a	RW	0 - 1000
42354	Speed Trim Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42356	Voltage Trim Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42358	Ramped Watt Demand Per Unit	Float	n/a	n/a	R	0 - 100
42360	Watt Demand Per Unit	Float	n/a	n/a	R	0 - 100
42362	Speed PID Output	Float	n/a	n/a	R	0 - 100
42364	kW PID Output	Float	n/a	n/a	R	0 - 100
42366	Volt PID Output	Float	n/a	n/a	R	0 - 100
42368	Speed Trim Setpoint	UInt32	DeciHertz	Centi	RW	4700 - 44000
42370	var Control Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
42372	kvar Load Rate	UInt32	n/a	Deci	RW	1 - 1000

Register	Description	Type	Units	Scaling Factor	R/W	Range
42374	Base Load Level Source	UInt32	n/a	n/a	RW	0 = User Setting 1 = Local Analog Input 1 2 = Local Analog Input 2 3 = Local Analog Input 3 4 = Local Analog Input 4 5 = AEM 1 Analog Input 1 6 = AEM 1 Analog Input 2 7 = AEM 1 Analog Input 3 8 = AEM 1 Analog Input 4 9 = AEM 1 Analog Input 5 10 = AEM 1 Analog Input 6 11 = AEM 1 Analog Input 7 12 = AEM 1 Analog Input 8 13 = AEM 2 Analog Input 1 14 = AEM 2 Analog Input 2 15 = AEM 2 Analog Input 3 16 = AEM 2 Analog Input 4 17 = AEM 2 Analog Input 5 18 = AEM 2 Analog Input 6 19 = AEM 2 Analog Input 7 20 = AEM 2 Analog Input 8 21 = AEM 3 Analog Input 1 22 = AEM 3 Analog Input 2 23 = AEM 3 Analog Input 3 24 = AEM 3 Analog Input 4 25 = AEM 3 Analog Input 5 26 = AEM 3 Analog Input 6 27 = AEM 3 Analog Input 7 28 = AEM 3 Analog Input 8 29 = AEM 4 Analog Input 1 30 = AEM 4 Analog Input 2 31 = AEM 4 Analog Input 3 32 = AEM 4 Analog Input 4 33 = AEM 4 Analog Input 5 34 = AEM 4 Analog Input 6 35 = AEM 4 Analog Input 7 36 = AEM 4 Analog Input 8
42376	kvar Setpoint Source	UInt32	n/a	n/a	RW	0 = User Setting 1 = Local Analog Input 1 2 = Local Analog Input 2 3 = Local Analog Input 3 4 = Local Analog Input 4 5 = AEM 1 Analog Input 1 6 = AEM 1 Analog Input 2 7 = AEM 1 Analog Input 3 8 = AEM 1 Analog Input 4 9 = AEM 1 Analog Input 5 10 = AEM 1 Analog Input 6 11 = AEM 1 Analog Input 7 12 = AEM 1 Analog Input 8 13 = AEM 2 Analog Input 1 14 = AEM 2 Analog Input 2 15 = AEM 2 Analog Input 3 16 = AEM 2 Analog Input 4 17 = AEM 2 Analog Input 5 18 = AEM 2 Analog Input 6 19 = AEM 2 Analog Input 7 20 = AEM 2 Analog Input 8 21 = AEM 3 Analog Input 1 22 = AEM 3 Analog Input 2 23 = AEM 3 Analog Input 3 24 = AEM 3 Analog Input 4 25 = AEM 3 Analog Input 5 26 = AEM 3 Analog Input 6 27 = AEM 3 Analog Input 7 28 = AEM 3 Analog Input 8 29 = AEM 4 Analog Input 1 30 = AEM 4 Analog Input 2 31 = AEM 4 Analog Input 3 32 = AEM 4 Analog Input 4 33 = AEM 4 Analog Input 5 34 = AEM 4 Analog Input 6 35 = AEM 4 Analog Input 7 36 = AEM 4 Analog Input 8

Register	Description	Type	Units	Scaling Factor	R/W	Range
42378	PF Setpoint Source	UInt32	n/a	n/a	RW	0 = User Setting 1 = Local Analog Input 1 2 = Local Analog Input 2 3 = Local Analog Input 3 4 = Local Analog Input 4 5 = AEM 1 Analog Input 1 6 = AEM 1 Analog Input 2 7 = AEM 1 Analog Input 3 8 = AEM 1 Analog Input 4 9 = AEM 1 Analog Input 5 10 = AEM 1 Analog Input 6 11 = AEM 1 Analog Input 7 12 = AEM 1 Analog Input 8 13 = AEM 2 Analog Input 1 14 = AEM 2 Analog Input 2 15 = AEM 2 Analog Input 3 16 = AEM 2 Analog Input 4 17 = AEM 2 Analog Input 5 18 = AEM 2 Analog Input 6 19 = AEM 2 Analog Input 7 20 = AEM 2 Analog Input 8 21 = AEM 3 Analog Input 1 22 = AEM 3 Analog Input 2 23 = AEM 3 Analog Input 3 24 = AEM 3 Analog Input 4 25 = AEM 3 Analog Input 5 26 = AEM 3 Analog Input 6 27 = AEM 3 Analog Input 7 28 = AEM 3 Analog Input 8 29 = AEM 4 Analog Input 1 30 = AEM 4 Analog Input 2 31 = AEM 4 Analog Input 3 32 = AEM 4 Analog Input 4 33 = AEM 4 Analog Input 5 34 = AEM 4 Analog Input 6 35 = AEM 4 Analog Input 7 36 = AEM 4 Analog Input 8
42380-84	Reserved					
42386	Baseload Analog Max	Int32	Percent	Deci	RW	0 - 1000
42388	Baseload Analog Min	Int32	Percent	Deci	RW	0 - 1000
42390	kvar Analog Max	Int32	Percent	Deci	RW	(-1000) - 1000
42392	kvar Analog Min	Int32	Percent	Deci	RW	(-1000) - 1000
42394	PF Analog Max	Int32	n/a	Centi	RW	160 - 240
42396	PF Analog Min	Int32	n/a	Centi	RW	160 - 240
42398	var Droop Percentage	Float	Percent	n/a	RW	0 - 10
42400-06	Reserved					
42408	Base Load Level	Float	Percent	n/a	RW	0 - 100
42410	kvar Setpoint	Float	Percent	n/a	RW	(-100) - 100
42412	PF Setpoint	Int32	n/a	Centi	RW	160 - 240
42414	var Control Mode	Int32	n/a	n/a	RW	0 = var Control 1 = PF Control
42416	Load Share Interface	Int32	n/a	n/a	RW	0 = Analog Load Share Line 1 = Ethernet Comms

Register	Description	Type	Units	Scaling Factor	R/W	Range
42418	Remote Speed Bias Source	Int32	n/a	n/a	RW	0 = None 1 = Local Analog Input 1 2 = Local Analog Input 2 3 = Local Analog Input 3 4 = Local Analog Input 4 5 = AEM 1 Analog Input 1 6 = AEM 1 Analog Input 2 7 = AEM 1 Analog Input 3 8 = AEM 1 Analog Input 4 9 = AEM 1 Analog Input 5 10 = AEM 1 Analog Input 6 11 = AEM 1 Analog Input 7 12 = AEM 1 Analog Input 8 13 = AEM 2 Analog Input 1 14 = AEM 2 Analog Input 2 15 = AEM 2 Analog Input 3 16 = AEM 2 Analog Input 4 17 = AEM 2 Analog Input 5 18 = AEM 2 Analog Input 6 19 = AEM 2 Analog Input 7 20 = AEM 2 Analog Input 8 21 = AEM 3 Analog Input 1 22 = AEM 3 Analog Input 2 23 = AEM 3 Analog Input 3 24 = AEM 3 Analog Input 4 25 = AEM 3 Analog Input 5 26 = AEM 3 Analog Input 6 27 = AEM 3 Analog Input 7 28 = AEM 3 Analog Input 8 29 = AEM 4 Analog Input 1 30 = AEM 4 Analog Input 2 31 = AEM 4 Analog Input 3 32 = AEM 4 Analog Input 4 33 = AEM 4 Analog Input 5 34 = AEM 4 Analog Input 6 35 = AEM 4 Analog Input 7 36 = AEM 4 Analog Input 8
42420-23	Reserved					
42424	Load Sharing Aux Input Source	Int32	n/a	n/a	RW	0 = Local Aux Input 1 = System Manager
42426	kW Ramp Status	Int32	n/a	n/a	R	0 - 2
42428	kvar Ramp Status	Int32	n/a	n/a	R	0 - 2

Pulse Outputs

Register	Description	Type	Units	Scaling Factor	R/W	Range
42500	AVR Correction Pulse Width	Int32	Decisecond	Deci	RW	0 - 999
42502	AVR Correction Pulse Interval	Int32	Decisecond	Deci	RW	0 - 999
42504	AVR Bias Contact Type	Int32	n/a	n/a	RW	0 = Continuous 1 = Proportional
42506	Reserved					
42508	Governor Correction Pulse Width	Int32	Decisecond	Deci	RW	0 - 999
42510	Governor Correction Pulse Interval	Int32	Decisecond	Deci	RW	0 - 999
42512	Governor Bias Contact Type	Int32	Decisecond	Deci	RW	0 = Continuous 1 = Proportional

Bus Condition Detection

Register	Description	Type	Units	Scaling Factor	R/W	Range
42750	Gen Sensing Dead Bus Pickup	Int32	Volt	n/a	RW	0 - 4800
42752	Gen Sensing Dead Bus Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42754	Reserved					
42756	Gen Sensing Stable Undervoltage Pickup	Int32	Volt	n/a	RW	10 - 99999
42758	Gen Sensing Stable Undervoltage Dropout	Int32	Volt	n/a	RW	10 - 99999
42760	Gen Sensing Stable Overvoltage	Int32	Volt	n/a	RW	10 - 99999
42762	Gen Sensing Stable Overvoltage Dropout	Int32	Volt	n/a	RW	10 - 99999
42764	Gen Sensing Stable Underfrequency Pickup	Int32	CentiHertz	Centi	RW	4600 - 6400
42766	Gen Sensing Stable Underfrequency Dropout	Int32	CentiHertz	Centi	RW	4600 - 6400
42768	Gen Sensing Stable Overfrequency Pickup	Int32	CentiHertz	Centi	RW	4600 - 6400
42770	Gen Sensing Stable Overfrequency Dropout	Int32	CentiHertz	Centi	RW	4600 - 6400
42772	Gen Sensing Fail Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42774	Gen Sensing Stable Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42776	Reserved					
42778	Bus Sensing Dead Bus Pickup	Int32	Volt	n/a	RW	0 - 4800
42780	Bus Sensing Dead Bus Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42782	Reserved					

Register	Description	Type	Units	Scaling Factor	R/W	Range
42784	Bus Sensing Stable Undervoltage Pickup	Int32	Volt	n/a	RW	10 - 9999
42786	Bus Sensing Stable Undervoltage Dropout	Int32	Volt	n/a	RW	10 - 9999
42788	Bus Sensing Stable Overvoltage Pickup	Int32	Volt	n/a	RW	10 - 9999
42790	Bus Sensing Stable Overvoltage Dropout	Int32	Volt	n/a	RW	10 - 9999
42792	Bus Sensing Stable Underfrequency Pickup	Int32	CentiHertz	Centi	RW	4600 - 6400
42794	Bus Sensing Stable Underfrequency Dropout	Int32	CentiHertz	Centi	RW	4600 - 6400
42796	Bus Sensing Stable Overfrequency Pickup	Int32	CentiHertz	Centi	RW	4600 - 6400
42798	Bus Sensing Stable Overfrequency Dropout	Int32	CentiHertz	Centi	RW	4600 - 6400
42800	Bus Sensing Fail Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42802	Bus Sensing Stable Time Delay	Int32	Decisecond	Deci	RW	1 - 6000
42804	Reserved					
42806	Gen Dead Status	Int32	n/a	n/a	R	0 - 1
42808	Gen Stable Status	Int32	n/a	n/a	R	0 - 1
42810	Gen Fail Status	Int32	n/a	n/a	R	0 - 1
42812	Bus Dead Status	Int32	n/a	n/a	R	0 - 1
42814	Bus Stable Status	Int32	n/a	n/a	R	0 - 1
42816	Bus Fail Status	Int32	n/a	n/a	R	0 - 1
42818	Gen Stable Low Line Scale Factor	Float	n/a	n/a	RW	0.001 - 3
42820	Bus Stable Low Line Scale Factor	Float	n/a	n/a	RW	0.001 - 3
42822	Gen Stable Alternate Frequency Scale Factor	Float	n/a	n/a	RW	0.001 - 100
42824	Bus Stable Alternate Frequency Scale Factor	Float	n/a	n/a	RW	0.001 - 100

Senders

Register	Description	Type	Units	Scaling Factor	R/W	Range
43434	Coolant Temperature Sender Fail Configuration Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43436	Coolant Temperature Sender Fail Activation Delay	Int32	Minute	n/a	RW	5 - 30
43438	Oil Pressure Sender Fail Configuration Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43440	Oil Pressure Sender Fail Activation Delay	Int32	Second	n/a	RW	0 - 300
43442	Fuel Level Sender Fail Configuration Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43444	Fuel Level Sender Fail Activation Delay	Int32	Second	n/a	RW	0 - 300
43446	Voltage Sensing Fail Configuration Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43448	Voltage Sensing Fail Activation Delay	Int32	Second	n/a	RW	0 - 300
43450	Low Coolant Level Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
43452	Low Coolant Level Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43454	Low Coolant Level Time Delay	Int32	Second	n/a	RW	0 - 300

Register	Description	Type	Units	Scaling Factor	R/W	Range
43456	Battery Charge Failed Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
43458	Battery Charge Failed Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43460	Battery Charge Failed Time Delay	Int32	Second	n/a	RW	0 - 300
43462	Fuel Leak Detect Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
43464	Fuel Leak Detect Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
43466	Fuel Leak Detect Time Delay	Int32	Second	n/a	RW	0 - 300
43468	User Configurable Input 1 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43470	User Configurable Input 2 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43472	User Configurable Input 3 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43474	User Configurable Input 4 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43476	User Configurable Input 5 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43478	User Configurable Input 6 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43480	User Configurable Input 7 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43482	User Configurable Input 8 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43484	User Configurable Input 9 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43486	User Configurable Input 10 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43488	User Configurable Input 11 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43490	User Configurable Input 12 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43492	User Configurable Input 13 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43494	User Configurable Input 14 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43496	User Configurable Input 15 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
43498	User Configurable Input 16 Eng Run Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only

System Configuration and Status

Register	Description	Type	Units	Scaling Factor	R/W	Range
43500	Rated Volts	Float	Volt	n/a	RW	1 - 99999

Register	Description	Type	Units	Scaling Factor	R/W	Range
43502	Pre-Start Contact Config	Int32	n/a	n/a	RW	0 = Open After Disconnect 1 = Closed While Running
43504	System Units	Int32	n/a	n/a	RW	0 = English 1 = Metric
43506	Battery Volts	Int32	n/a	n/a	RW	0 = 12V 1 = 24V
43508	Off Mode Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43510	Run Mode Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43512	Auto Mode Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43514	Virtual Input 1 Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43516	Virtual Input 2 Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43518	Virtual Input 3 Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43520	Virtual Input 4 Status	Int32	n/a	n/a	R	0 = Disable 1 = Enable
43522	RTC Clock Hour	Int32	Hour	n/a	RW	0 - 23
43524	RTC Minute	Int32	Minute	n/a	RW	0 - 59
43526	RTC Second	Int32	Second	n/a	RW	0 - 59
43528	RTC Month	Int32	n/a	n/a	RW	1 - 12
43530	RTC Day	Int32	n/a	n/a	RW	1 - 31
43532	RTC Year	Int32	n/a	n/a	RW	0 - 99
43534	Reserved					
43536	Gen PT Primary	Int32	Volt	n/a	RW	1 - 99999
43538	Gen PT Secondary	Int32	Volt	n/a	RW	1 - 480
43540	Gen CT Primary	Int32	Amp	n/a	RW	1 - 9999
43542	Bus PT Primary	Int32	Volt	n/a	RW	1 - 99999
43544	Bus PT Secondary	Int32	Volt	n/a	RW	1 - 480
43546	Cranking Style	UInt32	n/a	n/a	RW	0 = Continuous 1 = Cycle
43548	Number of Crank Cycles	UInt32	n/a	n/a	RW	1 - 7
43550	Cycle Crank Time	Unit32	Second	n/a	RW	5 - 15
43552	Continuous Crank Time	Unit32	Second	n/a	RW	5 - 60
43554	Crank Disconnect Limit	Unit32	Percent	n/a	RW	10 - 100
43556	Pre Crank Delay	Unit32	Second	n/a	RW	0 - 30
43558	Configured Gen Connection	UInt32	n/a	n/a	RW	0 = Delta 1 = Wye 2 = 1-phase AB 3 = 1-phase AC 4 = Grounded Delta
43560	Gen Rated Frequency	Int32	Hertz	n/a	RW	0 = 50 Hz 1 = 60 Hz
43562	Rated kW	UInt32	kilowatt	n/a	RW	5 - 9999
43564	Rated Engine RPM	UInt32	RPM	n/a	RW	750 - 3600
43566	No Load Cool Down Time	Unit32	Minute	n/a	RW	0 - 60
43568	EPS Current Threshold	Int32	Percent CT Pri	n/a	RW	3 - 10
43570	Fuel Level Function	UInt32	n/a	n/a	RW	0 = Disable 1 = Fuel Lvl 2 = Natural Gas 3 = Propane
43572	Number Flywheel Teeth	UInt32	n/a	n/a	RW	1 - 500
43574	Speed Signal Source	UInt32	n/a	n/a	RW	1 = MPU 2 = Gen Freq 3 = MPU Freq
43576	NFPA Level	UInt32	n/a	n/a	RW	0 = Zero 1 = One 2 = Two
43578	Horn Enable	Int32	n/a	n/a	RW	0 = Disabled 1 = Enabled
43580	Single-Phase Override Sensing	UInt32	n/a	n/a	RW	0 = AB 1 = AC
43582	Reserved					
43584	LCD Contrast Value	UInt32	n/a	n/a	RW	0 - 100
43586	Front Panel Sleep Mode	UInt32	n/a	n/a	RW	0 = Disabled 1 = Enabled
43588	Reserved					
43590	UTC Offset	Int32	Minute	n/a	RW	(-1440) - 1440
43592	DST Configuration	Int32	n/a	n/a	RW	0 = Disabled 1 = Floating 2 = Fixed
43594	Start/End Time Reference	Int32	n/a	n/a	RW	0 = Local Time 1 = UTC Time
43596	DST Bias Hours	Int32	n/a	n/a	RW	0 - 23
43598	DST Bias Minutes	Int32	n/a	n/a	RW	0 - 59

Register	Description	Type	Units	Scaling Factor	R/W	Range
43600	DST Start Month	Int32	n/a	n/a	RW	1 = January 2 = February 3 = March 4 = April 5 = May 6 = June 7 = July 8 = August 9 = September 10 = October 11 = November 12 = December
43602	DST Start Day	Int32	n/a	n/a	RW	1 - 31
43604	DST Start Week of Month	Int32	n/a	n/a	RW	0 = First 1 = Second 2 = Third 3 = Fourth 4 = Last
43606	DST Start Day of Week	Int32	n/a	n/a	RW	0 = Sunday 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday
43608	DST Start Hour	Int32	n/a	n/a	RW	0 - 23
43610	DST Start Minute	Int32	n/a	n/a	RW	0 - 59
43612	DST End Month	Int32	n/a	n/a	RW	1 = January 2 = February 3 = March 4 = April 5 = May 6 = June 7 = July 8 = August 9 = September 10 = October 11 = November 12 = December
43614	DST End Day	Int32	n/a	n/a	RW	1 - 31
43616	DST End Week of Month	Int32	n/a	n/a	RW	0 = First 1 = Second 2 = Third 3 = Fourth 4 = Last
43618	DST End Day of Week	Int32	n/a	n/a	RW	0 = Sunday 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday 6 = Saturday
43620	DST End Hour	Int32	n/a	n/a	RW	0 - 23
43622	DST End Minute	Int32	n/a	n/a	RW	0 - 59
43624	EPS Low Line Scale Factor	Float	n/a	n/a	RW	0.001 - 3
43626	Rated Power Factor	Float	Power Factor	n/a	RW	(-1) - 1
43628	Prestart Rest Configuration	Int32	n/a	n/a	RW	0 = Off During Rest 1 = On During Rest 2 = Preheat before Crank
43630	Oil Pressure Crank Disconnect	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
43632	Crank Disconnect Pressure	UInt32	PSI	Deci	RW	29 - 1500
43634	Crank Disconnect Pressure in kPa	UInt32	kPa	Deci	RW	200 - 10345
43636	Power Up Delay	UInt32	Second	n/a	RW	0 - 60
43638	Auto Config Detect Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43640	Low Line Detect Threshold	Int32	Volt	n/a	RW	0 - 480
43642	Single-Phase Detect Threshold	Int32	Volt	n/a	RW	0 - 480
43644	Start Relay Control	UInt32	n/a	n/a	RW	0 = Predefined 1 = Programmable
43646	Run Relay Control	UInt32	n/a	n/a	RW	0 = Predefined 1 = Programmable
43648	Prestart Relay Control	UInt32	n/a	n/a	RW	0 = Predefined 1 = Programmable
43650	Single-Phase Connect Generator Detection	Int32	n/a	n/a	RW	0 = A-B 1 = A-C
43652	Off Mode Cool Down Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
43654	Reserved					
43656	Not In Auto Horn Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable

Register	Description	Type	Units	Scaling Factor	R/W	Range
43658	Clock Not Set Warning Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
43660	Alternate Frequency	Int32	Hertz	Centi	RW	1000 - 9000
43662	Generator System Type	Int32	n/a	n/a	RW	0 = Single Generator 1 = Multiple Generator
43664	Gen CT Low Line Scale Factor	Float	n/a	n/a	RW	0.001 - 3
43666	Metric Pressure Units	Int32	n/a	n/a	RW	0 = Bar 1 = kPa
43668	System Units	Int32	n/a	n/a	RW	0 = English 1 = Metric
43674	RPM Bandwidth Data	Int32	n/a	n/a	RW	0 - 1000
43676	Number Flywheel Teeth	Int32	n/a	Deci	RW	10 - 5000
43678	Phase Rotation	Int32	n/a	n/a	RW	0 = ACB 1 = ABC
43680	Restart Delay	Int32	Second	n/a	RW	0 - 120
43682	Configured Bus Connection	Uint32	n/a	n/a	RW	0 = Single-Phase 1 = Three-Phase
43684	Fuel Level Source	Int32	n/a	n/a	RW	1 - 9
43686	Fuel Level Percent Max	Int32	n/a	n/a	RW	0 - 150
43688	Fuel Level Percent Min	Int32	n/a	n/a	RW	0 - 150

Control

Register	Description	Type	Units	Scaling Factor	R/W	Range
43750	Emergency Stop: Writing a 1 will toggle emergency stop from off to on. Writing a 1 again will toggle emergency stop from on to off	Int32	n/a	n/a	RW	1 = Toggle On/Off
43752	Remote Start	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43754	Remote Stop	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43756	Run Mode	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43758	Off Mode	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43760	Auto Mode	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43762	Alarm Reset	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43764	Gen Breaker Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43766	Gen Breaker Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43768	Mains Breaker Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43770	Mains Breaker Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43772	Reserved					
43774	Virtual Input 1 Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43776	Virtual Input 1 Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43778	Virtual Input 2 Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43780	Virtual Input 2 Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43782	Virtual Input 3 Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43784	Virtual Input 3 Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43786	Virtual Input 4 Close	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43788	Virtual Input 4 Open	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
43790	ESTOP Latch Status	Int32	n/a	n/a	R	0 = Disabled 1 = Enabled
43792	Gen Breaker Open	Int32	n/a	n/a	RW	1 = Operate (non-latching)
43794	Gen Breaker Close	Int32	n/a	n/a	RW	1 = Operate (non-latching)
43796	Mains Breaker Open	Int32	n/a	n/a	RW	1 = Operate (non-latching)
43798	Mains Breaker Close	Int32	n/a	n/a	RW	1 = Operate (non-latching)

Communication

Register	Description	Type	Units	Scaling Factor	R/W	Range
44008-16	Reserved					
44018	Modem Inter Dialout Activation Delay	Int32	Second	n/a	RW	0 = 15 1 = 30 2 = 60 3 = 120
44020	Modem Pager Buffer Limit	Int32	n/a	n/a	RW	0 = 80 Chars 1 = 120 Chars 2 = 160 Chars 3 = 200 Chars
44022	Modem Pager Coms Data Format	Int32	n/a	n/a	RW	0 = 8 bit, no parity 1 = 7 bit, even parity
44024-30	Reserved					
44032	CANBus Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44034	DTC Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44036	Rings for Modem Answer	Int32	n/a	n/a	RW	1 - 9
44038	Modem Offline Delay	Int32	Minute	n/a	RW	1 - 240
44040	Modbus Baud Rate	UInt32	n/a	n/a	RW	1200 = 1200 Baud 2400 = 2400 Baud 4800 = 4800 Baud 9600 = 9600 Baud 19200 = 19200 Baud 38400 = 38400 Baud 57600 = 57600 Baud 115200 = 115200 Baud
44042	Modbus Parity	Int32	n/a	n/a	RW	0 = Even Parity 1 = Odd Parity 2 = No Parity
44044	Modbus Address	Int32	n/a	n/a	RW	1 - 247
44046-49	Reserved					
44050	DHCP Enabled	UInt32	n/a	n/a	R	0 = Disabled 1 = Enabled
44052-56	Reserved					
44058	CEM-2020 Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44060	Reserved					
44062	AEM-2020 Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44064	CEM Outputs	Int32	n/a	n/a	RW	0 = 18 Outputs 1 = 24 Outputs
44066-67	Reserved					
44068	Active IP Address	UInt32	n/a	n/a	R	0 - 4294967295
44070	Gateway IP Address	UInt32	n/a	n/a	R	0 - 4294967295
44072	Subnet Mask	UInt32	n/a	n/a	R	0 - 4294967295

Protection

Register	Description	Type	Units	Scaling Factor	R/W	Range
44250	3 Phase Overcurrent Pickup (51-1)	UInt32	CentiAmp	Centi	RW	18 - 775
44252	3 Phase Overcurrent Time Dial (51-1)	UInt32	DeciUnit	Deci	RW	0 - 72000
44254	3 Phase Overcurrent Curve (51-1)	UInt32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44256	3 Phase Overcurrent Alarm Configuration (51-1)	UInt32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only

Register	Description	Type	Units	Scaling Factor	R/W	Range
44258	1 Phase Overcurrent Pickup (51-1)	Uint32	CentiAmp	Centi	RW	18 - 775
44260	1 Phase Overcurrent Time Dial (51-1)	Uint32	DeciUnit	Deci	RW	0 - 72000
44262	1 Phase Overcurrent Curve (51-1)	Uint32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44264	1 Phase Overcurrent Alarm Configuration (51-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44266	Phase Imbalance Pickup	Uint32	Volt	n/a	RW	5 - 100
44268	Phase Imbalance Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44270	Phase Imbalance Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44272	3 Phase Undervoltage Pickup (27-1)	Uint32	Volt	n/a	RW	70 - 576
44274	3 Phase Undervoltage Activation Delay (27-1)	Uint32	Decisecond	Deci	RW	0 - 300
44276	3 Phase Undervoltage Inhibit Frequency (27-1)	Uint32	Hertz	n/a	RW	20 - 90
44278	3 Phase Undervoltage Alarm Configuration (27-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44280	1 Phase Undervoltage Pickup (27-1)	Uint32	Volt	n/a	RW	70 - 576
44282	1 Phase Undervoltage Activation Delay (27-1)	Uint32	Decisecond	Deci	RW	0 - 300
44284	1 Phase Undervoltage Inhibit Frequency (27-1)	Uint32	Hertz	n/a	RW	20 - 90
44286	1 Phase Undervoltage Alarm Configuration (27-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44288	3 Phase Overvoltage Pickup (59-1)	Uint32	Volt	n/a	RW	70 - 576
44290	3 Phase Overvoltage Activation Delay (59-1)	Uint32	Decisecond	Deci	RW	0 - 300
44292	3 Phase Overvoltage Alarm Configuration (59-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44294	1 Phase Overvoltage Pickup (59-1)	Uint32	Volt	n/a	RW	70 - 576
44296	1 Phase Overvoltage Activation Delay (59-1)	Uint32	Decisecond	Deci	RW	0 - 300
44298	1 Phase Overvoltage Alarm Configuration (59-1)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44300	Underfrequency Pickup	Uint32	DeciHertz	Deci	RW	450 - 4400
44302	Underfrequency Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44304	Underfrequency Inhibit Voltage	Uint32	Hertz	n/a	RW	20 - 90
44306	Underfrequency Alarm Configuration	Uint32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
44308	Overfrequency Pickup	Uint32	DeciHertz	Deci	RW	450 - 4400
44310	Overfrequency Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44312	Overfrequency Alarm Configuration	Uint32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
44314	Overcurrent Low Line Scale Factor (51-1)	Float	n/a	n/a	RW	0.001 - 3
44316	Overvoltage Low Line Scale Factor (59-1)	Float	n/a	n/a	RW	0.001 - 3
44318	Undervoltage Low Line Scale Factor (27-1)	Float	n/a	n/a	RW	0.001 - 3
44320	3 Phase Overcurrent Pickup (51-2)	Uint32	CentiAmp	Centi	RW	18 - 775
44322	3 Phase Overcurrent Time Dial (51-2)	Uint32	DeciUnit	Deci	RW	0 - 72000

Register	Description	Type	Units	Scaling Factor	R/W	Range
44324	3 Phase Overcurrent Curve (51-2)	UInt32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44326	3 Phase Overcurrent Alarm Configuration (51-2)	UInt32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44328	1 Phase Overcurrent Pickup (51-2)	UInt32	CentiAmp	Centi	RW	18 - 775
44330	1 Phase Overcurrent Time Dial (51-2)	UInt32	DeciUnit	Deci	RW	0 - 72000
44332	1 Phase Overcurrent Curve (51-2)	UInt32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44334	1 Phase Overcurrent Alarm Configuration (51-2)	UInt32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44336	3 Phase Undervoltage Pickup (27-2)	UInt32	Volt	n/a	RW	70 - 576
44338	3 Phase Undervoltage Activation Delay (27-2)	UInt32	Decisecond	Deci	RW	0 - 300
44340	3 Phase Undervoltage Inhibit Frequency (27-2)	UInt32	Hertz	n/a	RW	20 - 90
44342	3 Phase Undervoltage Alarm Configuration (27-2)	UInt32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44344	1 Phase Undervoltage Pickup (27-2)	UInt32	Volt	n/a	RW	70 - 576
44346	1 Phase Undervoltage Activation Delay (27-2)	UInt32	Decisecond	Deci	RW	0 - 300
44348	1 Phase Undervoltage Inhibit Frequency (27-2)	UInt32	Hertz	n/a	RW	20 - 90
44350	1 Phase Undervoltage Alarm Configuration (27-2)	UInt32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44352	3 Phase Overvoltage Pickup (59-2)	UInt32	Volt	n/a	RW	70 - 576
44354	3 Phase Overvoltage Activation Delay (59-2)	UInt32	Decisecond	Deci	RW	0 - 300
44356	3 Phase Overvoltage Alarm Configuration (59-2)	UInt32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44358	1 Phase Overvoltage Pickup (59-2)	UInt32	Volt	n/a	RW	70 - 576
44360	1 Phase Overvoltage Activation Delay (59-2)	UInt32	Decisecond	Deci	RW	0 - 300
44362	1 Phase Overvoltage Alarm Configuration (59-2)	UInt32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44364	Overcurrent Low Line Scale Factor (51-2)	Float	n/a	n/a	RW	0.001 - 3
44366	Overvoltage Low Line Scale Factor (59-2)	Float	n/a	n/a	RW	0.001 - 3
44368	Undervoltage Low Line Scale Factor (27-2)	Float	n/a	n/a	RW	0.001 - 3
44370-91	Reserved					
44392	3 Phase Reverse Power Pickup	Int32	DeciPercent	Deci	RW	50 - 500
44394	3 Phase Reverse Power Activation Delay	UInt32	Decisecond	Deci	RW	0 - 300

Register	Description	Type	Units	Scaling Factor	R/W	Range
44396	3 Phase Reverse Power Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44398	Reserved					
44400	1 Phase Reverse Power Pickup	Int32	DeciPercent	Deci	RW	50 - 500
44402	1 Phase Reverse Power Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44404	1 Phase Reverse Power Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44406	Reserved					
44408	3 Phase Loss of Excitation Pickup	Int32	DeciPercent	Deci	RW	(-1500) - 0
44410	3 Phase Loss of Excitation Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44412	3 Phase Loss of Excitation Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44414	Reserved					
44416	1 Phase Loss of Excitation Pickup	Int32	DeciPercent	Deci	RW	(-1500) - 0
44418	1 Phase Loss of Excitation Activation Delay	Uint32	Decisecond	Deci	RW	0 - 300
44420	1 Phase Loss of Excitation Alarm Configuration	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44422	Reserved					
44424	3 Phase Overcurrent Reset Type (51-1)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44426	1 Phase Overcurrent Reset Type (51-1)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44428	3 Phase Overcurrent Reset Type (51-2)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44430	1 Phase Overcurrent Reset Type (51-2)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44432	51-1 Curve Constant A	Float	n/a	n/a	RW	0 - 600
44434	51-1 Curve Constant B	Float	n/a	n/a	RW	0 - 25
44436	51-1 Curve Constant C	Float	n/a	n/a	RW	0 - 1
44438	51-1 Curve Constant N	Float	n/a	n/a	RW	0.5 - 2.5
44440	51-1 Curve Constant R	Float	n/a	n/a	RW	0 - 30
44442	51-2 Curve Constant A	Float	n/a	n/a	RW	0 - 600
44444	51-2 Curve Constant B	Float	n/a	n/a	RW	0 - 25
44446	51-2 Curve Constant C	Float	n/a	n/a	RW	0 - 1
44448	51-2 Curve Constant N	Float	n/a	n/a	RW	0.5 - 2.5
44450	51-2 Curve Constant R	Float	n/a	n/a	RW	0 - 30
44452	3 Phase Overcurrent Pickup (51-3)	Uint32	CentiAmp	Centi	RW	18 - 775
44454	3 Phase Overcurrent Time Dial (51-3)	Uint32	DeciUnit	Deci	RW	0 - 72000
44456	3 Phase Overcurrent Curve (51-3)	Uint32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44458	3 Phase Overcurrent Alarm Configuration (51-3)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44460	1 Phase Overcurrent Pickup (51-3)	Uint32	CentiAmp	Centi	RW	18 - 775
44462	1 Phase Overcurrent Time Dial (51-3)	Uint32	DeciUnit	Deci	RW	0 - 72000

Register	Description	Type	Units	Scaling Factor	R/W	Range
44464	1 Phase Overcurrent Curve (51-3)	Uint32	n/a	n/a	RW	0 = S1 Curve 1 = S2 Curve 2 = L1 Curve 3 = L2 Curve 4 = D Curve 5 = M Curve 6 = I1 Curve 7 = I2 Curve 8 = V1 Curve 9 = V2 Curve 10 = E1 Curve 11 = E2 Curve 12 = A Curve 13 = B Curve 14 = C Curve 15 = G Curve 16 = F Curve 17 = Programmable
44466	1 Phase Overcurrent Alarm Configuration (51-3)	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44468	Overcurrent Low Line Scale Factor (51-3)	Float	n/a	n/a	RW	0.001 - 3
44470	3 Phase Overcurrent Reset Type (51-3)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44472	1 Phase Overcurrent Reset Type (51-3)	Int32	n/a	n/a	RW	0 = Instantaneous 1 = Integrating
44474	51-3 Curve Constant A	Float	n/a	n/a	RW	0 - 600
44476	51-3 Curve Constant B	Float	n/a	n/a	RW	0 - 25
44478	51-3 Curve Constant C	Float	n/a	n/a	RW	0 - 1
44480	51-3 Curve Constant N	Float	n/a	n/a	RW	0.5 - 2.5
44482	51-3 Curve Constant R	Float	n/a	n/a	RW	0 - 30
44484	78 Vector Shift Alarm Config	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44486	78 Vector Shift Pickup	Int32	Degree	n/a	RW	2 - 90
44488	78 Open Mains Breaker on Trip	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44490	81 ROCOF Alarm Config	Uint32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm 3 = Status Only
44492	81 ROCOF Pickup	Uint32	Hz/Second	Deci	RW	2 - 100
44494	81 ROCOF Activation Delay	Uint32	Second	Milli	RW	0 - 10000
44496	81 ROCOF Open Mains Breaker on Trip	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44498	Alternate Frequency Scale Factor	Float	n/a	n/a	RW	0.001 - 100

Alarms

Register	Description	Type	Units	Scaling Factor	R/W	Range
44500	High Coolant Temp Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44502	High Coolant Temp Alarm Threshold	Uint32	Deg F	n/a	RW	100 - 280
44504	Metric High Coolant Temp Alarm Threshold	Int32	Deg C	n/a	RW	38 - 138
44506	High Coolant Temp Alarm Activation Delay	Uint32	Second	n/a	RW	0 - 150
44508	Low Oil Press. Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44510	Low Oil Press. Alarm Threshold	Uint32	PSI	Deci	RW	29 - 1500
44512	Metric Low Oil Press. Alarm Threshold	Uint32	kPa	Deci	RW	200 - 10345
44514	Low Oil Press. Alarm Arming Delay	Uint32	Second	n/a	RW	5 - 60
44516	Overspeed Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44518	Overspeed Alarm Threshold	Uint32	Percent	n/a	RW	105 - 140
44520	Overspeed Alarm Activation Delay	Uint32	Millisecond	Milli	RW	0 - 500
44522	Low Fuel Level Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44524	Low Fuel Level Alarm Threshold	Uint32	Percent	n/a	RW	0 - 100
44526	Low Fuel Level Alarm Activation Delay	Int32	Second	n/a	RW	0 - 30
44528	High Coolant Temp Pre-Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44530	High Coolant Temp Pre-Alarm Threshold	Uint32	Deg F	n/a	RW	100 - 280
44532	Metric High Coolant Temp Pre-Alarm Threshold	Int32	Deg C	n/a	RW	38 - 138
44534	Low Coolant Temp Pre-Alarm Enable	Uint32	n/a	n/a	RW	0 = Disable 1 = Enable
44536	Low Coolant Temp Pre-Alarm Threshold	Uint32	Deg F	n/a	RW	35 - 151
44538	Metric Low Coolant Temp Pre-Alarm Threshold	Int32	Deg C	n/a	RW	2 - 66

Register	Description	Type	Units	Scaling Factor	R/W	Range
44540	High Fuel Level Pre-Alarm Threshold	Int32	Percent	n/a	RW	0 - 150
44542	High Fuel Level Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44544	High Fuel Level Pre-Alarm Activation Delay	Int32	Second	n/a	RW	0 - 30
44546	Low Fuel Level Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44548	Low Fuel Level Pre-Alarm Threshold	UInt32	Percent	n/a	RW	10 - 100
44550	Low Battery Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44552	Low Battery Pre-Alarm Threshold	UInt32	DeciVolt	Deci	RW	60 - 280
44554	Low Battery Pre-Alarm Activation Delay	UInt32	Second	n/a	RW	1 - 10
44556	Weak Battery Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44558	Weak Battery Pre-Alarm Threshold	UInt32	DeciVolt	Deci	RW	40 - 280
44560	Weak Battery Pre-Alarm Activation Delay	UInt32	Second	Deci	RW	0 - 100
44562	Battery Overvoltage Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44564	Low Oil Press. Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44566	Low Oil Press. Pre-Alarm Threshold	UInt32	PSI	Deci	RW	29 - 1500
44568	Metric Low Oil Press. Pre-Alarm Threshold	Int32	kPa	Deci	RW	20 - 10345
44570-73	Reserved	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44574	ECU Comms Fail Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44576	Active DTC Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44578	Maintenance Interval Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44580	Maintenance Interval Pre-Alarm Threshold	UInt32	Hour	n/a	RW	0 - 5000
44582	Speed Sender Fail Activation Delay	Int32	Second	n/a	RW	0 - 300
44584	ECU Low Coolant Level Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44586	ECU Low Coolant Level Alarm Threshold	UInt32	Percent	n/a	RW	1 - 99
44588	ECU Low Coolant Level Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable
44590	ECU Low Coolant Level Pre-Alarm Threshold	UInt32	Percent	n/a	RW	1 - 99
44592	Battery Overvoltage Alarm Threshold	Int32	DeciVolt	Deci	RW	120 - 320
44594-627	Reserved					
44628	Intergenset Comm Failure Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44630	AVR Bias Output Limit Pre-alarm Activation Delay	Int32	Second	n/a	RW	1 - 15
44632	AVR Bias Output Limit Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44634	GOV Bias Output Limit Pre-alarm Activation Delay	Int32	Second	n/a	RW	1 - 15
44636	GOV Bias Output Limit Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44638	ID Missing Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44640	ID Repeat Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44642	CEM Comm Failure Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44644	AEM Comm Failure Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44646	Reserved					
44648	Low Oil Pressure Alarm (metric pressure units is Bar)	Int32	Bar	Deci	RW	2 - 103
44650	Low Oil Pressure Pre-Alarm (metric pressure units is Bar)	Int32	Bar	Deci	RW	2 - 103
44652	Sync Fail Pre-alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44654	Breaker Close Fail Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44656	Breaker Open Fail Pre-Alarm Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
44658	Breaker Close Fail Pre-Alarm Monitor	Int32	n/a	n/a	RW	0 = Transitions Only 1 = Always
44660	Breaker Open Fail Pre-Alarm Monitor	Int32	n/a	n/a	RW	0 = Transitions Only 1 = Always
44662	Reverse Rotation Pre-Alarm Enable	UInt32	n/a	n/a	RW	0 = Disable 1 = Enable

Metering

Register	Description	Type	Units	Scaling Factor	R/W	Range
44750	Gen VAB Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44752	Gen VBC Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647

Register	Description	Type	Units	Scaling Factor	R/W	Range
44754	Gen VCA Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44756	Gen VAN Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44758	Gen VBN Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44760	Gen VCN Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44762	Bus Voltage Metering	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44764	Gen IA Metering	Int32	Amp	n/a	R	(-32768) - 32767
44766	Gen IB Metering	Int32	Amp	n/a	R	(-32768) - 32767
44768	Gen IC Metering	Int32	Amp	n/a	R	(-32768) - 32767
44770	Gen kVA A Metering	Int32	kiloVA	n/a	R	(-2147483648) - 2147483647
44772	Gen kVA B Metering	Int32	kiloVA	n/a	R	(-2147483648) - 2147483647
44774	Gen kVA C Metering	Int32	kiloVA	n/a	R	(-2147483648) - 2147483647
44776	Gen kVA Total Metering	Int32	kiloVA	n/a	R	(-2147483648) - 2147483647
44778	Gen kW A Metering	Int32	kilowatt	n/a	R	(-2147483648) - 2147483647
44780	Gen kW B Metering	Int32	kilowatt	n/a	R	(-2147483648) - 2147483647
44782	Gen kW C Metering	Int32	kilowatt	n/a	R	(-2147483648) - 2147483647
44784	Gen kW Total Metering	Int32	kilowatt	n/a	R	(-2147483648) - 2147483647
44786	Power Factor Metering	Float	n/a	n/a	R	(-1) - 1
44788	Gen PF Lagging	Int32	n/a	n/a	R	(-128) - 127
44790	Gen Frequency Metering	Float	Hertz	n/a	R	45 - 440
44792	Bus Frequency Metering	Float	Hertz	n/a	R	45 - 440
44794	Active Speed Source	UInt32	n/a	n/a	R	1 = Magnetic Pickup 2 = Gen Freq 3 = MPU/Gen Freq
44796	Engine Speed Metering	UInt32	RPM	n/a	R	0 - 65535
44798	Engine Load Metering	Int32	Percent	n/a	R	(-32768) - 32767
44800	Coolant Temp. Metering	Int32	Deg F	n/a	R	(-32768) - 32767
44802	Oil Pressure Metering	Int32	PSI	n/a	R	(-32768) - 32767
44804	Battery Voltage Metering	Int32	DeciVolt	n/a	R	(-32768) - 32767
44806	Fuel Level Metering	Int32	n/a	n/a	R	(-32768) - 32767
44808	ECU Coolant Level Metering	UInt32	n/a	n/a	R	0 - 255
44810	Cool Down Time Remaining	Int32	Minute	n/a	R	(-128) - 127
44812-13	Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Unexpected Shutdown Bit 17 = Global Alarm Bit 18 = Auto Restart Failure Bit 19 = Fuel Leak Detect Bit 20 = Battery Charger Failure Bit 21 = Transfer Fail Bit 22 = Low Coolant Level Bit 23 = ECU Shutdown Bit 24 = Emergency Shutdown Bit 25 = Overcrank Bit 26 = Loss of ECU Comms Bit 27 = Global Sender Fail Bit 28 = Low Fuel Level Bit 29 = Low Oil Pressure Bit 30 = Hi Coolant Temp Bit 31 = Overspeed

Register	Description	Type	Units	Scaling Factor	R/W	Range
44814-15	Pre-Alarm Metering 1	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Global Pre-Alarm Bit 5 = Fuel Filter 2 Leak Bit 6 = Fuel Filter 1 Leak Bit 7 = Engine kW Overload 3 Bit 8 = Engine kW Overload 2 Bit 9 = MPU Fail Bit 10 = Fuel Leak Detect Bit 11 = Battery Charger Failure Bit 12 = Low Coolant Level Bit 13 = Mains Brkr Fail to Open Bit 14 = Mains Brkr Fail to Close Bit 15 = Sync Fail at Mains Brkr Bit 16 = Gen Brkr Fail to Open Bit 17 = Gen Brkr Fail to Close Bit 18 = Sync Fail at Gen Brkr Bit 19 = High Fuel Level Bit 20 = Loss of Rem. Mod. Com Bit 21 = Engine kW Overload Bit 22 = Diagnostic Trouble Code Bit 23 = Loss of ECU Comms Bit 24 = Maintenance Due Bit 25 = Battery Overvoltage Bit 26 = Weak Battery Bit 27 = Low Battery Voltage Bit 28 = Low Coolant Temp Bit 29 = Low Fuel Level Bit 30 = Low Oil Pressure Bit 31 = Hi Coolant Temp
44816-17	mtu Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = High ECU Supply Bit 24 = Combined Red Bit 25 = Overspeed Bit 26 = Low Oil Pressure Bit 27 = Low Fuel Delivery Press. Bit 28 = Low Aftercooler Coolant Level Bit 29 = High Coolant Temp Bit 30 = High Oil Temp Bit 31 = High Charge Air Temp

Register	Description	Type	Units	Scaling Factor	R/W	Range
44818-19	mtu Pre-Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Low Storage Tank Bit 1 = High Storage Tank Bit 2 = Low Day Tank Bit 3 = High Day Tank Bit 4 = Alternator Winding Temp Bit 5 = Idle Speed Low Bit 6 = Run Up Speed Low Bit 7 = Start Speed Low Bit 8 = Priming Fault Bit 9 = Low Charge Air Coolant Level Bit 10 = High Fuel Temp. Bit 11 = High Exhaust Temp. B Bit 12 = High Exhaust Temp. A Bit 13 = Low ECU Supply Voltage Bit 14 = Engine Speed Too Low Bit 15 = High Voltage Supply Bit 16 = Low Voltage Supply Bit 17 = Speed Demand Fail Bit 18 = ECU Faulty Bit 19 = Combined Yellow Bit 20 = Low Oil Press. Bit 21 = Low Fuel Delivery Press. Bit 22 = Low Charge Air Press. Bit 23 = Low Coolant Level Bit 24 = Low Fuel Rail Press. Bit 25 = High Fuel Rail Press. Bit 26 = Shutdown Override Bit 27 = High Coolant Temp. Bit 28 = High Charge Air Temp. Bit 29 = High Intercooler Temp. Bit 30 = High Oil Temp. Bit 31 = High ECU Temp.
44820-21	Sender Fail Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Generator Voltage Bit 28 = Fuel Level Bit 29 = Coolant Temp Bit 30 = Oil Pressure Bit 31 = Speed
44822-26	Reserved					

Register	Description	Type	Units	Scaling Factor	R/W	Range
44828-29	Local Input Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Input 16 Bit 17 = Input 15 Bit 18 = Input 14 Bit 19 = Input 13 Bit 20 = Input 12 Bit 21 = Input 11 Bit 22 = Input 10 Bit 23 = Input 9 Bit 24 = Input 8 Bit 25 = Input 7 Bit 26 = Input 6 Bit 27 = Input 5 Bit 28 = Input 4 Bit 29 = Input 3 Bit 30 = Input 2 Bit 31 = Input 1
44830-31	Local Output Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Pre Start Output Bit 18 = Run Output Bit 19 = Start Output Bit 20 = Output 12 Bit 21 = Output 11 Bit 22 = Output 10 Bit 23 = Output 9 Bit 24 = Output 8 Bit 25 = Output 7 Bit 26 = Output 6 Bit 27 = Output 5 Bit 28 = Output 4 Bit 29 = Output 3 Bit 30 = Output 2 Bit 31 = Output 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44832-33	Status Metering 1	Int32	n/a	n/a	R	Bit 0 = Idle Request Bit 1 = Lamp Test Bit 2 = Alarm Silence Bit 3 = Reset Bit 4 = Alternate Frequency Override Bit 5 = Start Delay Bypass Bit 6 = Cooldown and Stop Request from Logic Bit 7 = Cooldown Request from Logic Bit 8 = External Start Delay Bit 9 = Off Mode Cooldown Bit 10 = PF Mode Active Bit 11 = Var Mode Active Bit 12 = Cooldown Timer Active Bit 13 = Engine Running Bit 14 = Fuel Leak Detect Bit 15 = Battery Charger Failure Bit 16 = Low Coolant Level Bit 17 = Gen Failed Bit 18 = Gen Stable Bit 19 = Gen Dead Bit 20 = Bus Failed Bit 21 = Bus Stable Bit 22 = Bus Dead Bit 23 = Gen Breaker Closed Bit 24 = Mains Breaker Closed Bit 25 = Grounded Delta Override Bit 26 = Battle Override Bit 27 = Auto Transfer Switch Bit 28 = Low Line Override Bit 29 = Single-Phase AC Override Bit 30 = Single-Phase Override Bit 31 = EPS Supplying Load
44834	Hours Until Maintenance	Int32	n/a	n/a	RW	0 - 5000
44836	Cum. Total Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44838	Cum. Total Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44840	Cum. Loaded Engine Run Hrs.	Int32	n/a	n/a	R	0 - 99999
44842	Cum. Loaded Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44844	Cum. Unloaded Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44846	Cum. Unloaded Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44848	Cum. Total kW-Hrs	UInt32	kilowatt-hour	n/a	R	0 - 999999999
44850	Reserved					
44852	Commission Date Month	UInt32	n/a	n/a	RW	1 - 12
44854	Commission Date Day	UInt32	n/a	n/a	RW	1 - 31
44856	Commission Date Year	UInt32	n/a	n/a	RW	0 - 99
44858	Session Total Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44860	Session Total Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44862	Session Loaded Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44864	Session Loaded Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44866	Session Unloaded Engine Run Hrs.	Int32	Hour	n/a	R	0 - 99999
44868	Session Unloaded Engine Run Min.	Int32	n/a	n/a	R	0 - 59
44870	Session kW-Hrs	Int32	kilowatt-hour	n/a	R	0 - 999999999
44872	Cumulative Number of Engine Starts	UInt32	n/a	n/a	RW	0 - 65535
44874	Session Start Date Month	UInt32	n/a	n/a	RW	1 - 12
44876	Session Start Date Day	UInt32	n/a	n/a	RW	1 - 31
44878	Session Start Date Year	UInt32	n/a	n/a	RW	0 - 99
44880	Generator Status	UInt32	n/a	n/a	R	0 = RESET State 1 = READY State 2 = CRANKING State 3 = RESTING State 4 = RUNNING State 5 = ALARM State 6 = PRESTART State 7 = COOLING State 8 = CONNECTING State 9 = DISCONNECT State 10 = PULSING State 11 = UNLOADING State
44882-932	Reserved					

Register	Description	Type	Units	Scaling Factor	R/W	Range
44934-35	Protection Alarm Metering	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = 81 ROC DF/DT Trip Bit 19 = 78 Vector Shift Trip Bit 20 = 51-3 Overcurrent Bit 21 = 40Q Loss of Excitation Bit 22 = 32 Reverse Power Bit 23 = 59-2 Overvoltage Bit 24 = 27-2 Undervoltage Bit 25 = 51-2 Overcurrent Bit 26 = 81 Underfrequency Bit 27 = 81 Overfrequency Bit 28 = 59-1 Overvoltage Bit 29 = 27-1 Undervoltage Bit 30 = 47 Phase Imbalance Bit 31 = 51-1 Overcurrent
44936	Cumulative Stats - Total Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44938	Cumulative Stats - Loaded Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44940	Cumulative Stats - Unloaded Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44942	Run Stats - Total Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44944	Run Stats - Loaded Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44946	Run Stats - Unloaded Run Hours	UInt32	Hour	n/a	RW	0 - 5999940
44948-49	Control Alarm Bits	UInt32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = ID Repeat Bit 27 = ID Missing Bit 28 = Not Used Bit 29 = Intergenset Comms Failure Bit 30 = GOV Output Limit Bit 31 = AVR Output Limit
44950	Global Alarm	UInt32	n/a	n/a	R	Bit 0 = No system alarms in effect Bit 1 = System alarm(s) in effect
44952	Global Pre-Alarm	UInt32	n/a	n/a	R	Bit 0 = No system pre-alarms in effect Bit 1 = System pre-alarm(s) in effect

Register	Description	Type	Units	Scaling Factor	R/W	Range
44954-55	Local Configurable Inputs Pre-Alarm Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Input 16 Bit 17 = Input 15 Bit 18 = Input 14 Bit 19 = Input 13 Bit 20 = Input 12 Bit 21 = Input 11 Bit 22 = Input 10 Bit 23 = Input 9 Bit 24 = Input 8 Bit 25 = Input 7 Bit 26 = Input 6 Bit 27 = Input 5 Bit 28 = Input 4 Bit 29 = Input 3 Bit 30 = Input 2 Bit 31 = Input 1
44956-57	Local Configurable Inputs Alarm Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Input 16 Bit 17 = Input 15 Bit 18 = Input 14 Bit 19 = Input 13 Bit 20 = Input 12 Bit 21 = Input 11 Bit 22 = Input 10 Bit 23 = Input 9 Bit 24 = Input 8 Bit 25 = Input 7 Bit 26 = Input 6 Bit 27 = Input 5 Bit 28 = Input 4 Bit 29 = Input 3 Bit 30 = Input 2 Bit 31 = Input 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44958-59	Configurable Elements Status Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Config Element 8 Bit 25 = Config Element 7 Bit 26 = Config Element 6 Bit 27 = Config Element 5 Bit 28 = Config Element 4 Bit 29 = Config Element 3 Bit 30 = Config Element 2 Bit 31 = Config Element 1
44960-61	Configurable Elements Pre-Alarm Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Config Element 8 Bit 25 = Config Element 7 Bit 26 = Config Element 6 Bit 27 = Config Element 5 Bit 28 = Config Element 4 Bit 29 = Config Element 3 Bit 30 = Config Element 2 Bit 31 = Config Element 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44962-63	Configurable Elements Alarm Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Config Element 8 Bit 25 = Config Element 7 Bit 26 = Config Element 6 Bit 27 = Config Element 5 Bit 28 = Config Element 4 Bit 29 = Config Element 3 Bit 30 = Config Element 2 Bit 31 = Config Element 1
44964-65	Remote Inputs Status Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = CEM 1 Input 10 Bit 23 = CEM 1 Input 9 Bit 24 = CEM 1 Input 8 Bit 25 = CEM 1 Input 7 Bit 26 = CEM 1 Input 6 Bit 27 = CEM 1 Input 5 Bit 28 = CEM 1 Input 4 Bit 29 = CEM 1 Input 3 Bit 30 = CEM 1 Input 2 Bit 31 = CEM 1 Input 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44966-67	Remote Outputs Status Bits	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = CEM 1 Output 24 Bit 9 = CEM 1 Output 23 Bit 10 = CEM 1 Output 22 Bit 11 = CEM 1 Output 21 Bit 12 = CEM 1 Output 20 Bit 13 = CEM 1 Output 19 Bit 14 = CEM 1 Output 18 Bit 15 = CEM 1 Output 17 Bit 16 = CEM 1 Output 16 Bit 17 = CEM 1 Output 15 Bit 18 = CEM 1 Output 14 Bit 19 = CEM 1 Output 13 Bit 20 = CEM 1 Output 12 Bit 21 = CEM 1 Output 11 Bit 22 = CEM 1 Output 10 Bit 23 = CEM 1 Output 9 Bit 24 = CEM 1 Output 8 Bit 25 = CEM 1 Output 7 Bit 26 = CEM 1 Output 6 Bit 27 = CEM 1 Output 5 Bit 28 = CEM 1 Output 4 Bit 29 = CEM 1 Output 3 Bit 30 = CEM 1 Output 2 Bit 31 = CEM 1 Output 1
44968-69	CEM Alarm Bits	UInt32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = CEM Hardware Mismatch Bit 30 = Duplicate CEM Bit 31 = CEM Comm Fail

Register	Description	Type	Units	Scaling Factor	R/W	Range
44970-71	Remote Configurable Inputs Pre-Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = CEM 1 Input 10 Bit 23 = CEM 1 Input 9 Bit 24 = CEM 1 Input 8 Bit 25 = CEM 1 Input 7 Bit 26 = CEM 1 Input 6 Bit 27 = CEM 1 Input 5 Bit 28 = CEM 1 Input 4 Bit 29 = CEM 1 Input 3 Bit 30 = CEM 1 Input 2 Bit 31 = CEM 1 Input 1
44972-73	Remote Configurable Inputs Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = CEM 1 Input 10 Bit 23 = CEM 1 Input 9 Bit 24 = CEM 1 Input 8 Bit 25 = CEM 1 Input 7 Bit 26 = CEM 1 Input 6 Bit 27 = CEM 1 Input 5 Bit 28 = CEM 1 Input 4 Bit 29 = CEM 1 Input 3 Bit 30 = CEM 1 Input 2 Bit 31 = CEM 1 Input 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44974-75	AEM Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = Not Used Bit 30 = Duplicate AEM Bit 31 = AEM Comm Fail
44976	Slip Frequency	Int32	Hertz	Centi	R	(-32768) - 32767
44978	Slip Angle	Int32	DeciUnit	Deci	R	(-32768) - 32767
44980	Voltage Difference	Int32	Volt	n/a	R	(-2147483648) - 2147483647
44982-83	MDEC Pre-Alarms	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = High Fuel Filter Diff Pressure Bit 25 = Overspeed Test On Bit 26 = Ambient Temp Bit 27 = High Temp Coil 3 Bit 28 = High Temp Coil 2 Bit 29 = High Temp Coil 1 Bit 30 = High Pressure Input 2 Bit 31 = High Pressure Input 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
44984-85	mtu Status	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = ECU Shutdown Bit 21 = Priming Pump ON Bit 22 = CAN Mode Feedback Bit 23 = Preheat Temp Not Reached Bit 24 = Load Gen On Bit 25 = Cylinder Cutout Bit 26 = Engine Running Bit 27 = Speed Decrease Bit 28 = Speed Increase Bit 29 = Speed Demand Fail Mode Bit 30 = External Stop Active Bit 31 = ECU Override
44986	Generator Frequency	Int32	Hertz	Deci	R	0 - 4400
44988	Bus Frequency	Int32	Hertz	Deci	R	0 - 4400
44990	Power Factor	Int32	n/a	Centi	R	(-100) - 100
44992	Slip Frequency	Int32	n/a	Milli	R	(-450000) -450000
44994-98	Reserved					
45000-01	ECU Lamp Status	Int32	n/a	n/a	R	Bit 0 = Protect Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Warning Bit 4 = Stop Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Malfunction Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = Not Used Bit 30 = Not Used Bit 31 = Not Used
45002	Reserved					
45004	Number of DTC's	Int32	n/a	n/a	R	(-32768) – 32767
45006-10	Reserved					
45012	ECU Accelerator Pedal Position	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> (0.4 %/bit gain, 0% offset)
45014	ECU Percent Load at Current Speed	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, 0% offset

Register	Description	Type	Units	Scaling Factor	R/W	Range
45016	ECU Actual Engine Percent Torque	Uint32	Percent	n/a	R	<u>Data Range</u> -125% – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, 0% offset
45018	ECU Engine Speed	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset)
45020	ECU Injection Control Pressure	Uint32	MPa	n/a	R	<u>Data Range</u> 0 – 251 MPa <u>Raw ECU Parameter Data</u> 1/256 MPa/bit gain, 0 MPa offset
45022	ECU Injector Metering Rail Pressure	Uint32	MPa	n/a	R	<u>Data Range</u> 0 – 251 MPa <u>Raw ECU Parameter Data</u> 1/256 MPa/bit gain, 0 MPa offset
45024	ECU Engine Run Time	Uint32	Hours	n/a	R	<u>Data Range</u> 0 – +210,554, 060.75 h <u>Raw ECU Parameter Data</u> 0.05 h/bit gain, 0 h offset
45026	ECU Trip Fuel	Uint32	Liters	n/a	R	<u>Data Range</u> 0 – 2105540,608 L <u>Raw ECU Parameter Data</u> 0.5 L/bit gain, 0 L offset
45028	ECU Total Fuel Used	Uint32	Liters	n/a	R	<u>Data Range</u> 0 – 2105540608 L <u>Raw ECU Parameter Data</u> 0.5 L/bit gain, 0 L offset
45030	ECU Coolant Temperature	Uint32	Degrees	n/a	R	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
45032	ECU Fuel Temperature	Uint32	Degrees	n/a	R	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
45034	ECU Engine Oil Temperature	Uint32	Degrees	n/a	R	<u>Data Range</u> -273 – 1735°C, -459.4 – 3155°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
45036	ECU Engine Intercooler Temperature	Uint32	Degrees	n/a	R	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
45038	ECU Fuel Delivery Pressure	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 1000 kPa, 0 – 145 psi <u>Raw ECU Parameter Data</u> 4 kPa/bit gain, 0 kPa offset
45040	ECU Engine Oil Level	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
45042	ECU Oil Pressure	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 1000 kPa, 0 - 145 psi <u>Raw ECU Parameter Data</u> 4 kPa/bit gain, 0 kPa offset
45044	ECU Coolant Pressure	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 500 kPa, 0 – 72.5 psi <u>Raw ECU Parameter Data</u> 2 kPa/bit gain, 0 kPa offset
45046	ECU Coolant Level	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
45048	ECU Fuel Rate	Uint32	Liters/hour	n/a	R	<u>Data Range</u> 0 – 3212.75 L/h <u>Raw ECU Parameter Data</u> 0.05 L/h per bit gain, 0 L/h offset (13.9 x 10 ⁻⁶ L/s per bit)
45050	ECU Barometric Pressure	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 125 kPa, 0 – 18.1 psi <u>Raw ECU Parameter Data</u> 0.5 kPa/bit gain, 0 kPa offset
45052	ECU Ambient Air Temperature	Uint32	Degrees	n/a	R	<u>Data Range</u> -273 – 1735°C, -459.4 – 3155°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
45054	ECU Air Inlet Temperature	Uint32	Degrees	n/a	R	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset

Register	Description	Type	Units	Scaling Factor	R/W	Range
45056	ECU Boost Pressure	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 500 kPa, 0 – 72.5 psi <u>Raw ECU Parameter Data</u> 2 kPa/bit gain, 0 kPa offset
45058	ECU Intake Manifold Temperature	Uint32	Degrees	n/a	R	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
45060	ECU Air Filter Differential Pressure	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 12.5 kPa, 0 – 1.8 psi <u>Raw ECU Parameter Data</u> 0.05 kPa/bit gain, 0 kPa offset
45062	ECU Exhaust Gas Temperature	Uint32	Degrees	n/a	R	<u>Data Range</u> -273 – 1735°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
45064	ECU Electrical Potential Voltage	Uint32	Volts	n/a	R	<u>Data Range</u> 0 – 3212.75 V <u>Raw ECU Parameter Data</u> 0.05 V/bit gain, 0 V offset
45066	ECU Battery Potential Voltage Switched	Uint32	Volts	n/a	R	<u>Data Range</u> 0 – 3212.75 V <u>Raw ECU Parameter Data</u> 0.05 V/bit gain, 0 V offset
45068	ECU Speed at Idle Point 1	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
45070	ECU Torque at Idle Point 1	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
45072	ECU Speed at Idle Point 2	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
45074	ECU Torque at Idle Point 2	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
45076	ECU Speed at Idle Point 3	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
45078	ECU Torque at Idle Point 3	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
45080	ECU Speed at Idle Point 4	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
45082	ECU Torque at Idle Point 4	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
45084	ECU Speed at Idle Point 5	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
45086	ECU Torque at Idle Point 5	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
45088	ECU Speed at High Idle Point 6	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset
45090	ECU Gain of End Speed Governor	Uint32	%ref trq/rpm	n/a	R	<u>Data Range</u> 0 – 50.2 %/rpm <u>Raw ECU Parameter Data</u> 0.0007813% engine reference torque/rpm per bit gain (normalized), 0 %/rpm per bit offset
45092	ECU Reference Engine Torque	Uint32	Nm	n/a	R	<u>Data Range</u> 0 – 64255 Nm <u>Raw ECU Parameter Data</u> 1 Nm/bit gain, 0 Nm offset
45094	ECU Override Speed Point 7	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit, 0 rpm offset

Register	Description	Type	Units	Scaling Factor	R/W	Range
45096	ECU Override Time Limit	Uint32	Seconds	n/a	R	<u>Data Range</u> 0 – 25 s <u>Raw ECU Parameter Data</u> 0.1 s/bit gain, 0 s offset
45098	ECU Speed Lower Limit	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 2500 rpm <u>Raw ECU Parameter Data</u> 10 rpm/bit gain, 0 rpm offset
45100	ECU Speed Upper Limit	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 2500 rpm <u>Raw ECU Parameter Data</u> 10 rpm/bit gain, 0 rpm offset
45102	ECU Torque Lower Limit	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
45104	ECU Torque Upper Limit	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 125% <u>Raw ECU Parameter Data</u> 1 %/bit gain, -125% offset
45106	Active DTC 1	Uint32	n/a	n/a	R	Suppose the 32 bits of DTC Data is in Register N and N+1. SPN = (Register N: Most Significant 3 bits * 65536) + (Register N+1: LS Byte * 256) + (Register N+1: MS Byte) FMI = Register N: Bits 8-12 Occurrence Count = Register N: Bits 0 through 6
45108	Active DTC 2	Uint32	n/a	n/a	R	
45110	Active DTC 3	Uint32	n/a	n/a	R	
45112	Active DTC 4	Uint32	n/a	n/a	R	
45114	Active DTC 5	Uint32	n/a	n/a	R	
45116	Active DTC 6	Uint32	n/a	n/a	R	
45118	Active DTC 7	Uint32	n/a	n/a	R	
45120	Active DTC 8	Uint32	n/a	n/a	R	
45122	Active DTC 9	Uint32	n/a	n/a	R	
45124	Active DTC 10	Uint32	n/a	n/a	R	
45126	Active DTC 11	Uint32	n/a	n/a	R	
45128	Active DTC 12	Uint32	n/a	n/a	R	
45130	Active DTC 13	Uint32	n/a	n/a	R	
45132	Active DTC 14	Uint32	n/a	n/a	R	
45134	Active DTC 15	Uint32	n/a	n/a	R	
45136	Active DTC 16	Uint32	n/a	n/a	R	
45138	Previously Active DTC 1	Uint32	n/a	n/a	R	
45140	Previously Active DTC 2	Uint32	n/a	n/a	R	
45142	Previously Active DTC 3	Uint32	n/a	n/a	R	
45144	Previously Active DTC 4	Uint32	n/a	n/a	R	
45146	Previously Active DTC 5	Uint32	n/a	n/a	R	
45148	Previously Active DTC 6	Uint32	n/a	n/a	R	
45150	Previously Active DTC 7	Uint32	n/a	n/a	R	
45152	Previously Active DTC 8	Uint32	n/a	n/a	R	
45154	Previously Active DTC 9	Uint32	n/a	n/a	R	
45156	Previously Active DTC 10	Uint32	n/a	n/a	R	
45158	Previously Active DTC 11	Uint32	n/a	n/a	R	
45160	Previously Active DTC 12	Uint32	n/a	n/a	R	
45162	Previously Active DTC 13	Uint32	n/a	n/a	R	
45164	Previously Active DTC 14	Uint32	n/a	n/a	R	
45166	Previously Active DTC 15	Uint32	n/a	n/a	R	
45168	Previously Active DTC 16	Uint32	n/a	n/a	R	
45170	Active DTC Count Data	Uint32	n/a	n/a	R	0 - 16
45172	Previously Active DTC Count Data	Uint32	n/a	n/a	R	0 - 16
45174	Active <i>mtu</i> Fault Code Count Data	Uint32	n/a	n/a	R	0 - 20
45176-248	Reserved					
45250	CAN Bus Enabled by User Data	Int32	N/A	N/A	RW	0 - 1
45252	DTC Enable Data	Int32	N/A	N/A	RW	0 - 1
45254	J1939 Source Address	Int32	N/A	N/A	RW	1 - 253
45256	ECU Control Output	Uint32	N/A	N/A	RW	0 = Fuel Relay Controls 1 = Preheat Relay Controls
45258	Pulsing Enable	Uint32	N/A	N/A	RW	1 = Enable 2 = Disable

Register	Description	Type	Units	Scaling Factor	R/W	Range
45260	MDEC Module Type	Uint32	N/A	N/A	RW	1 = CAN Module 201 2 = CAN Module 302 3 = CAN Module 303 4 = CAN Module 304
45262	MDEC Speed Demand Source	Uint32	N/A	N/A	RW	0 = Analog CAN 1 = Up Down ECU 2 = Up Down CAN 3 = Analog ECU 4 = Frequency 5 = No CAN Demand
45264	MDEC Engine RPM Request	Uint32	N/A	N/A	RW	1400 - 2000
45266	Volvo Accelerator Pedal Position	Uint32	N/A	N/A	RW	0 - 100
45268	Volvo RPM Select	Uint32	N/A	N/A	RW	0 = Primary 1 = Secondary
45270	J1939 Start Stop Config	Uint32	N/A	N/A	RW	0 = Standard 1 = Volvo Penta 2 = <i>mtu</i> MDEC 3 = <i>mtu</i> ADEC 4 = <i>mtu</i> ECU7 5 = GM 6 = Cummins 7 = <i>mtu</i> Smart Connect 8 = Scania 9 = John Deere
45272	ECU Settling Time	Uint32	Millisecond	Milli	RW	5500 - 30000
45274	ECU Pulse Cycle Time	Uint32	Minute	N/A	RW	1 - 60
45276	ECU Disconnect Time	Uint32	Second	N/A	RW	1 - 60
45278	ECU Connect Time	Uint32	Second	N/A	RW	1 - 60
45280	<i>mtu</i> Request Test Overspeed	Uint32	N/A	N/A	RW	0 = Off 1 = On
45282	<i>mtu</i> Governor Switchover Parameters	Uint32	N/A	N/A	RW	0 - 1
45284	<i>mtu</i> Intermittent Oil Prime Request	Uint32	N/A	N/A	RW	0 = Off 1 = On
45286	<i>mtu</i> Trip Info Reset Request	Uint32	N/A	N/A	RW	0 = Off 1 = On
45288	<i>mtu</i> Speed Increase	Uint32	N/A	N/A	RW	0 = Off 1 = On
45290	<i>mtu</i> Speed Decrease	Uint32	N/A	N/A	RW	0 = Off 1 = On
45292	<i>mtu</i> Speed Demand Limit Boolean	Uint32	N/A	N/A	RW	0 = Off 1 = On
45294	<i>mtu</i> Mode Switch	Uint32	N/A	N/A	RW	0 - 1000
45296	<i>mtu</i> Increased Idle	Uint32	N/A	N/A	RW	0 - 1000
45298	<i>mtu</i> Gov Param Set Select	Uint32	N/A	N/A	RW	0 = Off 1 = On
45300	<i>mtu</i> Fan Override	Uint32	N/A	N/A	RW	0 = Off 1 = On
45302	<i>mtu</i> Prime On Engine Start	Uint32	N/A	N/A	RW	0 = Off 1 = On
45304	<i>mtu</i> CAN Rating SW1	Uint32	N/A	N/A	RW	0 = Off 1 = On
45306	<i>mtu</i> CAN Rating SW2	Uint32	N/A	N/A	RW	0 = Off 1 = On
45308	<i>mtu</i> Disable Cylinder Cutout 1	Uint32	N/A	N/A	RW	0 = Off 1 = On
45310	<i>mtu</i> Cylinder Cutout 2	Uint32	N/A	N/A	RW	0 = Off 1 = On
45312	<i>mtu</i> ECU7 Module Type Data	Int32	N/A	N/A	RW	0 = Off 1 = On
45314	RESERVED					
45316	<i>mtu</i> NMT Alive Repeat Milliseconds	Int32	Millisecond	N/A	RW	100 - 500
45318	Generator Parameter Transmit Enable Data	Int32	N/A	N/A	RW	0 = Disable 1 = Enable

Register	Description	Type	Units	Scaling Factor	R/W	Range
45320	DPF Manual Regenerate Data	Int32	N/A	N/A	RW	0 = Off 1 = On
45322	DPF Regenerate Disable Data	Int32	N/A	N/A	RW	0 = Off 1 = On
45324	J1939 Speed Torque Transmit Enable Data	Int32	N/A	N/A	RW	0 = Off 1 = On
45326	Engine Idle RPM Data	Int32	N/A	N/A	RW	100 - 2000
45328	Engine Parameter Transmit Enable	Int32	n/a	n/a	RW	0 = Disable 1 = Enable
45330	Requested <i>mtu</i> SMC ENG Operating Mode	Int32	n/a	n/a	RW	1 - 2
45332	SPN Conversion Method	Int32	n/a	n/a	RW	1 - 4
45334	John Deere Regeneration Interlock	UInt32	N/A	N/A	RW	0 = Disable 1 = Enable
45336-482	Reserved					
45484	Volt Reg CAN Bus Param Transmit Enable Data	Int32	N/A	N/A	RW	0 = None 1 = Marathon 2 = Basler 3 = J1939
45486	Volt Reg Primary Volt Setpoint in DeciVolts Data	Int32	DeciUnit	Deci	RW	1000 - 6000
45488	Volt Reg Alternate Volt Setpoint in DeciVolts Data	Int32	DeciUnit	Deci	RW	1000 - 6000
45490	Volt Reg Volt Adjust Bandwidth CentiVolts Data	Int32	CentiUnit	Centi	RW	0 - 3000
45492	Volt Reg Field Current in Milliamps Data	Int32	MilliUnit	Milli	RW	0 - 30000
45494	Volt Reg Primary UF Knee in DeciHertz Data	Int32	DeciUnit	Deci	RW	400 - 700
45496	Volt Reg Alternate UF Knee in DeciHertz Data	Int32	DeciUnit	Deci	RW	400 - 700
45498	Volt Reg Underfreq Slope in CentiUnits	Int32	CentiUnit	Centi	RW	100 - 500
45500	Analog Input 1 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45502	Analog Input 2 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45504	Analog Input 3 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45506	Analog Input 4 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45508	Analog Input 5 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45510	Analog Input 6 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45512	Analog Input 7 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45514	Analog Input 8 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45516	RTD Input 1 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45518	RTD Input 2 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45520	RTD Input 3 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45522	RTD Input 4 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45524	RTD Input 5 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45526	RTD Input 6 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45528	RTD Input 7 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45530	RTD Input 8 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45532	Thermocouple Input 1 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900
45534	Thermocouple Input 2 Metering Value	Int32	CentiDeg F	Centi	R	(-100000000) – 99999900

Register	Description	Type	Units	Scaling Factor	R/W	Range
45536-37	AEM Input Threshold Status Bits Reg 1	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Analog Input 6 Under 2 Bit 3 = Analog Input 6 Under 1 Bit 4 = Analog Input 6 Over 2 Bit 5 = Analog Input 6 Over 1 Bit 6 = Analog Input 6 Out of Range Bit 7 = Analog Input 5 Under 2 Bit 8 = Analog Input 5 Under 1 Bit 9 = Analog Input 5 Over 2 Bit 10 = Analog Input 5 Over 1 Bit 11 = Analog Input 5 Out of Range Bit 12 = Analog Input 4 Under 2 Bit 13 = Analog Input 4 Under 1 Bit 14 = Analog Input 4 Over 2 Bit 15 = Analog Input 4 Over 1 Bit 16 = Analog Input 4 Out of Range Bit 17 = Analog Input 3 Under 2 Bit 18 = Analog Input 3 Under 1 Bit 19 = Analog Input 3 Over 2 Bit 20 = Analog Input 3 Over 1 Bit 21 = Analog Input 3 Out of Range Bit 22 = Analog Input 2 Under 2 Bit 23 = Analog Input 2 Under 1 Bit 24 = Analog Input 2 Over 2 Bit 25 = Analog Input 2 Over 1 Bit 26 = Analog Input 2 Out of Range Bit 27 = Analog Input 1 Under 2 Bit 28 = Analog Input 1 Under 1 Bit 29 = Analog Input 1 Over 2 Bit 30 = Analog Input 1 Over 1 Bit 31 = Analog Input 1 Out of Range
45538-39	AEM Input Threshold Status Bits Reg 2	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = RTD Input 4 Under 2 Bit 3 = RTD Input 4 Under 1 Bit 4 = RTD Input 4 Over 2 Bit 5 = RTD Input 4 Over 1 Bit 6 = RTD Input 4 Out of Range Bit 7 = RTD Input 3 Under 2 Bit 8 = RTD Input 3 Under 1 Bit 9 = RTD Input 3 Over 2 Bit 10 = RTD Input 3 Over 1 Bit 11 = RTD Input 3 Out of Range Bit 12 = RTD Input 2 Under 2 Bit 13 = RTD Input 2 Under 1 Bit 14 = RTD Input 2 Over 2 Bit 15 = RTD Input 2 Over 1 Bit 16 = RTD Input 2 Out of Range Bit 17 = RTD Input 1 Under 2 Bit 18 = RTD Input 1 Under 1 Bit 19 = RTD Input 1 Over 2 Bit 20 = RTD Input 1 Over 1 Bit 21 = RTD Input 1 Out of Range Bit 22 = Analog Input 8 Under 2 Bit 23 = Analog Input 8 Under 1 Bit 24 = Analog Input 8 Over 2 Bit 25 = Analog Input 8 Over 1 Bit 26 = Analog Input 8 Out of Range Bit 27 = Analog Input 7 Under 2 Bit 28 = Analog Input 7 Under 1 Bit 29 = Analog Input 7 Over 2 Bit 30 = Analog Input 7 Over 1 Bit 31 = Analog Input 7 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45540-41	AEM Input Threshold Status Bits Reg 3	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Thermocouple 2 Under 2 Bit 3 = Thermocouple 2 Under 1 Bit 4 = Thermocouple 2 Over 2 Bit 5 = Thermocouple 2 Over 1 Bit 6 = Thermocouple 2 Out of Range Bit 7 = Thermocouple 1 Under 2 Bit 8 = Thermocouple 1 Under 1 Bit 9 = Thermocouple 1 Over 2 Bit 10 = Thermocouple 1 Over 1 Bit 11 = Thermocouple 1 Out of Range Bit 12 = RTD Input 8 Under 2 Bit 13 = RTD Input 8 Under 1 Bit 14 = RTD Input 8 Over 2 Bit 15 = RTD Input 8 Over 1 Bit 16 = RTD Input 8 Out of Range Bit 17 = RTD Input 7 Under 2 Bit 18 = RTD Input 7 Under 1 Bit 19 = RTD Input 7 Over 2 Bit 20 = RTD Input 7 Over 1 Bit 21 = RTD Input 7 Out of Range Bit 22 = RTD Input 6 Under 2 Bit 23 = RTD Input 6 Under 1 Bit 24 = RTD Input 6 Over 2 Bit 25 = RTD Input 6 Over 1 Bit 26 = RTD Input 6 Out of Range Bit 27 = RTD Input 5 Under 2 Bit 28 = RTD Input 5 Under 1 Bit 29 = RTD Input 5 Over 2 Bit 30 = RTD Input 5 Over 1 Bit 31 = RTD Input 5 Out of Range
45542-43	AEM Input Threshold Status Bits Reg 4	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Analog Output 4 Out of Range Bit 29 = Analog Output 3 Out of Range Bit 30 = Analog Output 2 Out of Range Bit 31 = Analog Output 1 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45544-45	AEM Input Threshold Alarm Bits Reg 1	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Analog Input 6 Under 2 Bit 3 = Analog Input 6 Under 1 Bit 4 = Analog Input 6 Over 2 Bit 5 = Analog Input 6 Over 1 Bit 6 = Analog Input 6 Out of Range Bit 7 = Analog Input 5 Under 2 Bit 8 = Analog Input 5 Under 1 Bit 9 = Analog Input 5 Over 2 Bit 10 = Analog Input 5 Over 1 Bit 11 = Analog Input 5 Out of Range Bit 12 = Analog Input 4 Under 2 Bit 13 = Analog Input 4 Under 1 Bit 14 = Analog Input 4 Over 2 Bit 15 = Analog Input 4 Over 1 Bit 16 = Analog Input 4 Out of Range Bit 17 = Analog Input 3 Under 2 Bit 18 = Analog Input 3 Under 1 Bit 19 = Analog Input 3 Over 2 Bit 20 = Analog Input 3 Over 1 Bit 21 = Analog Input 3 Out of Range Bit 22 = Analog Input 2 Under 2 Bit 23 = Analog Input 2 Under 1 Bit 24 = Analog Input 2 Over 2 Bit 25 = Analog Input 2 Over 1 Bit 26 = Analog Input 2 Out of Range Bit 27 = Analog Input 1 Under 2 Bit 28 = Analog Input 1 Under 1 Bit 29 = Analog Input 1 Over 2 Bit 30 = Analog Input 1 Over 1 Bit 31 = Analog Input 1 Out of Range
45546-47	AEM Input Threshold Alarm Bits Reg 2	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = RTD Input 4 Under 2 Bit 3 = RTD Input 4 Under 1 Bit 4 = RTD Input 4 Over 2 Bit 5 = RTD Input 4 Over 1 Bit 6 = RTD Input 4 Out of Range Bit 7 = RTD Input 3 Under 2 Bit 8 = RTD Input 3 Under 1 Bit 9 = RTD Input 3 Over 2 Bit 10 = RTD Input 3 Over 1 Bit 11 = RTD Input 3 Out of Range Bit 12 = RTD Input 2 Under 2 Bit 13 = RTD Input 2 Under 1 Bit 14 = RTD Input 2 Over 2 Bit 15 = RTD Input 2 Over 1 Bit 16 = RTD Input 2 Out of Range Bit 17 = RTD Input 1 Under 2 Bit 18 = RTD Input 1 Under 1 Bit 19 = RTD Input 1 Over 2 Bit 20 = RTD Input 1 Over 1 Bit 21 = RTD Input 1 Out of Range Bit 22 = Analog Input 8 Under 2 Bit 23 = Analog Input 8 Under 1 Bit 24 = Analog Input 8 Over 2 Bit 25 = Analog Input 8 Over 1 Bit 26 = Analog Input 8 Out of Range Bit 27 = Analog Input 7 Under 2 Bit 28 = Analog Input 7 Under 1 Bit 29 = Analog Input 7 Over 2 Bit 30 = Analog Input 7 Over 1 Bit 31 = Analog Input 7 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45548-49	AEM Input Threshold Alarm Bits Reg 3	UInt32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Thermocouple 2 Under 2 Bit 3 = Thermocouple 2 Under 1 Bit 4 = Thermocouple 2 Over 2 Bit 5 = Thermocouple 2 Over 1 Bit 6 = Thermocouple 2 Out of Range Bit 7 = Thermocouple 1 Under 2 Bit 8 = Thermocouple 1 Under 1 Bit 9 = Thermocouple 1 Over 2 Bit 10 = Thermocouple 1 Over 1 Bit 11 = Thermocouple 1 Out of Range Bit 12 = RTD Input 8 Under 2 Bit 13 = RTD Input 8 Under 1 Bit 14 = RTD Input 8 Over 2 Bit 15 = RTD Input 8 Over 1 Bit 16 = RTD Input 8 Out of Range Bit 17 = RTD Input 7 Under 2 Bit 18 = RTD Input 7 Under 1 Bit 19 = RTD Input 7 Over 2 Bit 20 = RTD Input 7 Over 1 Bit 21 = RTD Input 7 Out of Range Bit 22 = RTD Input 6 Under 2 Bit 23 = RTD Input 6 Under 1 Bit 24 = RTD Input 6 Over 2 Bit 25 = RTD Input 6 Over 1 Bit 26 = RTD Input 6 Out of Range Bit 27 = RTD Input 5 Under 2 Bit 28 = RTD Input 5 Under 1 Bit 29 = RTD Input 5 Over 2 Bit 30 = RTD Input 5 Over 1 Bit 31 = RTD Input 5 Out of Range
45550-51	AEM Input Threshold Alarm Bits Reg 4	UInt32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Analog Output 4 Out of Range Bit 29 = Analog Output 3 Out of Range Bit 30 = Analog Output 2 Out of Range Bit 31 = Analog Output 1 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45552-53	AEM Input Threshold Pre-Alarm Bits Reg 1	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Analog Input 6 Under 2 Bit 3 = Analog Input 6 Under 1 Bit 4 = Analog Input 6 Over 2 Bit 5 = Analog Input 6 Over 1 Bit 6 = Analog Input 6 Out of Range Bit 7 = Analog Input 5 Under 2 Bit 8 = Analog Input 5 Under 1 Bit 9 = Analog Input 5 Over 2 Bit 10 = Analog Input 5 Over 1 Bit 11 = Analog Input 5 Out of Range Bit 12 = Analog Input 4 Under 2 Bit 13 = Analog Input 4 Under 1 Bit 14 = Analog Input 4 Over 2 Bit 15 = Analog Input 4 Over 1 Bit 16 = Analog Input 4 Out of Range Bit 17 = Analog Input 3 Under 2 Bit 18 = Analog Input 3 Under 1 Bit 19 = Analog Input 3 Over 2 Bit 20 = Analog Input 3 Over 1 Bit 21 = Analog Input 3 Out of Range Bit 22 = Analog Input 2 Under 2 Bit 23 = Analog Input 2 Under 1 Bit 24 = Analog Input 2 Over 2 Bit 25 = Analog Input 2 Over 1 Bit 26 = Analog Input 2 Out of Range Bit 27 = Analog Input 1 Under 2 Bit 28 = Analog Input 1 Under 1 Bit 29 = Analog Input 1 Over 2 Bit 30 = Analog Input 1 Over 1 Bit 31 = Analog Input 1 Out of Range
45554-55	AEM Input Threshold Pre-Alarm Bits Reg 2	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = RTD Input 4 Under 2 Bit 3 = RTD Input 4 Under 1 Bit 4 = RTD Input 4 Over 2 Bit 5 = RTD Input 4 Over 1 Bit 6 = RTD Input 4 Out of Range Bit 7 = RTD Input 3 Under 2 Bit 8 = RTD Input 3 Under 1 Bit 9 = RTD Input 3 Over 2 Bit 10 = RTD Input 3 Over 1 Bit 11 = RTD Input 3 Out of Range Bit 12 = RTD Input 2 Under 2 Bit 13 = RTD Input 2 Under 1 Bit 14 = RTD Input 2 Over 2 Bit 15 = RTD Input 2 Over 1 Bit 16 = RTD Input 2 Out of Range Bit 17 = RTD Input 1 Under 2 Bit 18 = RTD Input 1 Under 1 Bit 19 = RTD Input 1 Over 2 Bit 20 = RTD Input 1 Over 1 Bit 21 = RTD Input 1 Out of Range Bit 22 = Analog Input 8 Under 2 Bit 23 = Analog Input 8 Under 1 Bit 24 = Analog Input 8 Over 2 Bit 25 = Analog Input 8 Over 1 Bit 26 = Analog Input 8 Out of Range Bit 27 = Analog Input 7 Under 2 Bit 28 = Analog Input 7 Under 1 Bit 29 = Analog Input 7 Over 2 Bit 30 = Analog Input 7 Over 1 Bit 31 = Analog Input 7 Out of Range

Register	Description	Type	Units	Scaling Factor	R/W	Range
45556-57	AEM Input Threshold Pre-Alarm Bits Reg 3	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Thermocouple 2 Under 2 Bit 3 = Thermocouple 2 Under 1 Bit 4 = Thermocouple 2 Over 2 Bit 5 = Thermocouple 2 Over 1 Bit 6 = Thermocouple 2 Out of Range Bit 7 = Thermocouple 1 Under 2 Bit 8 = Thermocouple 1 Under 1 Bit 9 = Thermocouple 1 Over 2 Bit 10 = Thermocouple 1 Over 1 Bit 11 = Thermocouple 1 Out of Range Bit 12 = RTD Input 8 Under 2 Bit 13 = RTD Input 8 Under 1 Bit 14 = RTD Input 8 Over 2 Bit 15 = RTD Input 8 Over 1 Bit 16 = RTD Input 8 Out of Range Bit 17 = RTD Input 7 Under 2 Bit 18 = RTD Input 7 Under 1 Bit 19 = RTD Input 7 Over 2 Bit 20 = RTD Input 7 Over 1 Bit 21 = RTD Input 7 Out of Range Bit 22 = RTD Input 6 Under 2 Bit 23 = RTD Input 6 Under 1 Bit 24 = RTD Input 6 Over 2 Bit 25 = RTD Input 6 Over 1 Bit 26 = RTD Input 6 Out of Range Bit 27 = RTD Input 5 Under 2 Bit 28 = RTD Input 5 Under 1 Bit 29 = RTD Input 5 Over 2 Bit 30 = RTD Input 5 Over 1 Bit 31 = RTD Input 5 Out of Range
45558-59	AEM Input Threshold Pre-Alarm Bits Reg 4	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Analog Output 4 Out of Range Bit 29 = Analog Output 3 Out of Range Bit 30 = Analog Output 2 Out of Range Bit 31 = Analog Output 1 Out of Range
45560	Analog Output 1 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45562	Analog Output 2 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45564	Analog Output 3 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900
45566	Analog Output 4 Metering Value	Int32	CentiUnit	Centi	R	(-100000000) – 99999900

Register	Description	Type	Units	Scaling Factor	R/W	Range
45568-69	Configurable Protection Threshold Status Bits	Uint32	n/a	n/a	R	Bit 0 = Conf Protection 8 Threshold 4 Bit 1 = Conf Protection 8 Threshold 3 Bit 2 = Conf Protection 8 Threshold 2 Bit 3 = Conf Protection 8 Threshold 1 Bit 4 = Conf Protection 7 Threshold 4 Bit 5 = Conf Protection 7 Threshold 3 Bit 6 = Conf Protection 7 Threshold 2 Bit 7 = Conf Protection 7 Threshold 1 Bit 8 = Conf Protection 6 Threshold 4 Bit 9 = Conf Protection 6 Threshold 3 Bit 10 = Conf Protection 6 Threshold 2 Bit 11 = Conf Protection 6 Threshold 1 Bit 12 = Conf Protection 5 Threshold 4 Bit 13 = Conf Protection 5 Threshold 3 Bit 14 = Conf Protection 5 Threshold 2 Bit 15 = Conf Protection 5 Threshold 1 Bit 16 = Conf Protection 4 Threshold 4 Bit 17 = Conf Protection 4 Threshold 3 Bit 18 = Conf Protection 4 Threshold 2 Bit 19 = Conf Protection 4 Threshold 1 Bit 20 = Conf Protection 3 Threshold 4 Bit 21 = Conf Protection 3 Threshold 3 Bit 22 = Conf Protection 3 Threshold 2 Bit 23 = Conf Protection 3 Threshold 1 Bit 24 = Conf Protection 2 Threshold 4 Bit 25 = Conf Protection 2 Threshold 3 Bit 26 = Conf Protection 2 Threshold 2 Bit 27 = Conf Protection 2 Threshold 1 Bit 28 = Conf Protection 1 Threshold 4 Bit 29 = Conf Protection 1 Threshold 3 Bit 30 = Conf Protection 1 Threshold 2 Bit 31 = Conf Protection 1 Threshold 1
45570-71	Configurable Protection Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Conf Protection 8 Threshold 4 Bit 1 = Conf Protection 8 Threshold 3 Bit 2 = Conf Protection 8 Threshold 2 Bit 3 = Conf Protection 8 Threshold 1 Bit 4 = Conf Protection 7 Threshold 4 Bit 5 = Conf Protection 7 Threshold 3 Bit 6 = Conf Protection 7 Threshold 2 Bit 7 = Conf Protection 7 Threshold 1 Bit 8 = Conf Protection 6 Threshold 4 Bit 9 = Conf Protection 6 Threshold 3 Bit 10 = Conf Protection 6 Threshold 2 Bit 11 = Conf Protection 6 Threshold 1 Bit 12 = Conf Protection 5 Threshold 4 Bit 13 = Conf Protection 5 Threshold 3 Bit 14 = Conf Protection 5 Threshold 2 Bit 15 = Conf Protection 5 Threshold 1 Bit 16 = Conf Protection 4 Threshold 4 Bit 17 = Conf Protection 4 Threshold 3 Bit 18 = Conf Protection 4 Threshold 2 Bit 19 = Conf Protection 4 Threshold 1 Bit 20 = Conf Protection 3 Threshold 4 Bit 21 = Conf Protection 3 Threshold 3 Bit 22 = Conf Protection 3 Threshold 2 Bit 23 = Conf Protection 3 Threshold 1 Bit 24 = Conf Protection 2 Threshold 4 Bit 25 = Conf Protection 2 Threshold 3 Bit 26 = Conf Protection 2 Threshold 2 Bit 27 = Conf Protection 2 Threshold 1 Bit 28 = Conf Protection 1 Threshold 4 Bit 29 = Conf Protection 1 Threshold 3 Bit 30 = Conf Protection 1 Threshold 2 Bit 31 = Conf Protection 1 Threshold 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
45572-73	Configurable Protection Pre-Alarm Bits	Uint32	n/a	n/a	R	Bit 0 = Conf Protection 8 Threshold 4 Bit 1 = Conf Protection 8 Threshold 3 Bit 2 = Conf Protection 8 Threshold 2 Bit 3 = Conf Protection 8 Threshold 1 Bit 4 = Conf Protection 7 Threshold 4 Bit 5 = Conf Protection 7 Threshold 3 Bit 6 = Conf Protection 7 Threshold 2 Bit 7 = Conf Protection 7 Threshold 1 Bit 8 = Conf Protection 6 Threshold 4 Bit 9 = Conf Protection 6 Threshold 3 Bit 10 = Conf Protection 6 Threshold 2 Bit 11 = Conf Protection 6 Threshold 1 Bit 12 = Conf Protection 5 Threshold 4 Bit 13 = Conf Protection 5 Threshold 3 Bit 14 = Conf Protection 5 Threshold 2 Bit 15 = Conf Protection 5 Threshold 1 Bit 16 = Conf Protection 4 Threshold 4 Bit 17 = Conf Protection 4 Threshold 3 Bit 18 = Conf Protection 4 Threshold 2 Bit 19 = Conf Protection 4 Threshold 1 Bit 20 = Conf Protection 3 Threshold 4 Bit 21 = Conf Protection 3 Threshold 3 Bit 22 = Conf Protection 3 Threshold 2 Bit 23 = Conf Protection 3 Threshold 1 Bit 24 = Conf Protection 2 Threshold 4 Bit 25 = Conf Protection 2 Threshold 3 Bit 26 = Conf Protection 2 Threshold 2 Bit 27 = Conf Protection 2 Threshold 1 Bit 28 = Conf Protection 1 Threshold 4 Bit 29 = Conf Protection 1 Threshold 3 Bit 30 = Conf Protection 1 Threshold 2 Bit 31 = Conf Protection 1 Threshold 1
45574	Gen Kvar A	Int32	kvar	n/a	R	(-2147483648) - 2147483647
45576	Gen Kvar B	Int32	kvar	n/a	R	(-2147483648) - 2147483647
45578	Gen Kvar C	Int32	kvar	n/a	R	(-2147483648) - 2147483647
45580	Gen Kvar Total	Int32	kvar	n/a	R	(-2147483648) - 2147483647
45582	Reserved					
45584-85	Logic Control Relay Status	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Logic Control Relay 16 Bit 17 = Logic Control Relay 15 Bit 18 = Logic Control Relay 14 Bit 19 = Logic Control Relay 13 Bit 20 = Logic Control Relay 12 Bit 21 = Logic Control Relay 11 Bit 22 = Logic Control Relay 10 Bit 23 = Logic Control Relay 9 Bit 24 = Logic Control Relay 8 Bit 25 = Logic Control Relay 7 Bit 26 = Logic Control Relay 6 Bit 27 = Logic Control Relay 5 Bit 28 = Logic Control Relay 4 Bit 29 = Logic Control Relay 3 Bit 30 = Logic Control Relay 2 Bit 31 = Logic Control Relay 1

Register	Description	Type	Units	Scaling Factor	R/W	Range
45586-87	I/O Modules Connected	Uint32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Not Used Bit 19 = Not Used Bit 20 = Not Used Bit 21 = Not Used Bit 22 = Not Used Bit 23 = Not Used Bit 24 = Not Used Bit 25 = Not Used Bit 26 = Not Used Bit 27 = Not Used Bit 28 = Not Used Bit 29 = AEM Connected Bit 30 = CEM Connected Bit 31 = Not Used
45588	Max Vector Shift	Int32	n/a	Centi	R	0 - 100000
45590	Max DF/DT	Int32	n/a	Centi	R	0 - 100000
45592	Current DF/DT	Int32	n/a	Centi	R	0 - 100000
45594-95	Status Metering 2	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Bus Reverse Rotation Bit 17 = Bus Forward Rotation Bit 18 = Gen Reverse Rotation Bit 19 = Gen Forward Rotation Bit 20 = Closed Transition Override Bit 21 = Auto Breaker Operation Inhibit Bit 22 = Mains Fail Transfer Inhibit Bit 23 = Restart Delay Active Bit 24 = Synchronizer Break Close OK Bit 25 = Synchronizer Angle OK Bit 26 = Synchronizer Slip Freq OK Bit 27 = Synchronizer Volt Match OK Bit 28 = Synchronizer Active Bit 29 = Parallel To Mains Bit 30 = Mains Fail Test Bit 31 = Take Over Load

Register	Description	Type	Units	Scaling Factor	R/W	Range
45596-97	Gen Protect Pre-Alarm Status	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = 81 ROC DF/DT Trip Bit 19 = 78 Vector Shift Trip Bit 20 = 51-3 Overcurrent Trip Bit 21 = 40 Loss of Excitation Trip Bit 22 = 32 Reverse Overpower Trip Bit 23 = 59-2 Overvoltage Trip Bit 24 = 27-2 Undervoltage Trip Bit 25 = 51-2 Overcurrent Trip Bit 26 = 81 Underfrequency Trip Bit 27 = 81 Overfrequency Trip Bit 28 = 59-1 Overvoltage Trip Bit 29 = 27-1 Undervoltage Trip Bit 30 = 47 Phase Imbalance Trip Bit 31 = 51-1 Overcurrent Trip
45598-99	Gen Protect Alarm Status	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = 81 ROC DF/DT Trip Bit 19 = 78 Vector Shift Trip Bit 20 = 51-3 Overcurrent Trip Bit 21 = 40 Loss of Excitation Trip Bit 22 = 32 Reverse Overpower Trip Bit 23 = 59-2 Overvoltage Trip Bit 24 = 27-2 Undervoltage Trip Bit 25 = 51-2 Overcurrent Trip Bit 26 = 81 Underfrequency Trip Bit 27 = 81 Overfrequency Trip Bit 28 = 59-1 Overvoltage Trip Bit 29 = 27-1 Undervoltage Trip Bit 30 = 47 Phase Imbalance Trip Bit 31 = 51-1 Overcurrent Trip

Register	Description	Type	Units	Scaling Factor	R/W	Range
45600-01	Pre-Alarm Metering 2	Int32	n/a	n/a	R	Bit 0 = Not Used Bit 1 = Not Used Bit 2 = Not Used Bit 3 = Not Used Bit 4 = Not Used Bit 5 = Not Used Bit 6 = Not Used Bit 7 = Not Used Bit 8 = Not Used Bit 9 = Not Used Bit 10 = Not Used Bit 11 = Not Used Bit 12 = Not Used Bit 13 = Not Used Bit 14 = Not Used Bit 15 = Not Used Bit 16 = Not Used Bit 17 = Not Used Bit 18 = Bus Reverse Rotation Bit 19 = Gen Reverse Rotation Bit 20 = DEF Inducement Override Bit 21 = DEF Severe Inducement Bit 22 = DEF Pre-Severe Inducement Bit 23 = DEF Engine Derate Bit 24 = DEF Fluid Level Empty Bit 25 = DEF Fluid Level Low Bit 26 = DPF Soot Level Severely High Bit 27 = DPF Soot Level Moderately High Bit 28 = DPF Soot Level High Bit 29 = High Exhaust Temperature Bit 30 = DPF Regenerate Disabled Bit 31 = DPF Regenerate Required
45602	Operating Units Config Data	Int32	n/a	n/a	R	0 – 3
45604	Reserved					
45606	Generator Network System Manager Data	Int32	n/a	n/a	R	-1 – 255
45608	Generator Network Unit ID 1	Int32	n/a	n/a	R	-1 – 255
45610	Generator Network Unit ID 2	Int32	n/a	n/a	R	-1 – 255
45612	Generator Network Unit ID 3	Int32	n/a	n/a	R	-1 – 255
45614	Generator Network Unit ID 4	Int32	n/a	n/a	R	-1 – 255
45616	Generator Network Unit ID 5	Int32	n/a	n/a	R	-1 – 255
45618	Generator Network Unit ID 6	Int32	n/a	n/a	R	-1 – 255
45620	Generator Network Unit ID 7	Int32	n/a	n/a	R	-1 – 255
45622	Generator Network Unit ID 8	Int32	n/a	n/a	R	-1 – 255
45624	Generator Network Unit ID 9	Int32	n/a	n/a	R	-1 – 255
45626	Generator Network Unit ID 10	Int32	n/a	n/a	R	-1 – 255
45628	Generator Network Unit ID 11	Int32	n/a	n/a	R	-1 – 255
45630	Generator Network Unit ID 12	Int32	n/a	n/a	R	-1 – 255
45632	Generator Network Unit ID 13	Int32	n/a	n/a	R	-1 – 255
45634	Generator Network Unit ID 14	Int32	n/a	n/a	R	-1 – 255
45636	Generator Network Unit ID 15	Int32	n/a	n/a	R	-1 – 255
45638	Generator Network Unit ID 16	Int32	n/a	n/a	R	-1 – 255
45640	Generator Network Number of Units	Int32	n/a	n/a	R	0 – 16
45642	Load Share Input Data	Int32	CentiUnit	Centi	R	(-100000000) - 99999900
45644	Generator Network Number of Units Online	Int32	n/a	n/a	R	0 – 16
45646	Generator Network Total System kW Capacity	Int32	n/a	n/a	R	0 – 16777216
45648	Generator Network Total Generated kW	Int32	n/a	n/a	R	0 – 16777216
45650	Generator Network Total Generated kvar	Int32	n/a	n/a	R	0 – 16777216
45652	Sequencing Mode Feedback from Load Sharing	Int32	n/a	n/a	R	-2147483648 – 2147483647
45654	Next Unit to Start Load Sharing	Int32	n/a	n/a	R	-1 – 255
45656	Next Unit to Stop Load Sharing	Int32	n/a	n/a	R	-1 – 255
45658	Start Timer 1 Sec Load Sharing	Int32	n/a	n/a	R	0 – 32767
45660	Start Timer 2 Sec Load Sharing	Int32	n/a	n/a	R	0 – 32767
45662	Stop Timer Sec Load Sharing	Int32	n/a	n/a	R	0 – 32767
45664	Gen Connection for Metering Data	Int32	n/a	n/a	R	0 = Delta 1 = Wye 2 = 1 phase AB 3 = 1 phase AC 4 = Grounded Delta

Register	Description	Type	Units	Scaling Factor	R/W	Range
45666	Bus Connection for Metering Data	Int32	n/a	n/a	R	0 = 1 phase AB 1 = 3 phase 2 = 1 phase AC
45668	Gen Average Line to Line Voltage Data	Int32	n/a	n/a	R	-2147483648 to 2147483647
45670	Gen Average Line to Neutral Voltage Data	Int32	n/a	n/a	R	-2147483648 to 2147483647
45672	Gen Average Current Data	Int32	n/a	n/a	R	-2147483648 to 2147483647
45674	Transfer Delay Timer	Int32	n/a	Sec x 67 to sec	R	-2147483648 to 2147483647
45676	Max Return Time Timer	Int32	n/a	Sec x 67 to sec	R	-2147483648 to 2147483647
45678	Max Transfer Time Timer	Int32	n/a	Sec x 67 to sec	R	-2147483648 to 2147483647
45680	Max Parallel Time Timer	Int32	n/a	Sec x 67 to sec	R	-2147483648 to 2147483647
45682	Open Transition Delay Timer	Int32	n/a	Sec x 67 to sec	R	-2147483648 to 2147483647
45684-750	Reserved					
45752	pc Emergency Stop	UInt32	n/a	n/a	RW	0 = Stop 1 = Start
45754	pc Relay Closed: Runs when in Auto mode	UInt32	n/a	n/a	RW	0 = Stop 1 = Start
45756-60	Reserved					
45762	Embedded Code Version Number	UInt32	n/a	n/a	R	
45764	Boot Code Version Number	Int32	n/a	n/a	R	
45766	Model Number	UInt32	n/a	n/a	R	
45768	Embedded Code Part Number	UInt32	n/a	n/a	R	
45770	Conf Prot 1 Param Select	Unit32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
45772	Conf Prot 1 Hysteresis	Int32	Percent	Deci	RW	0 - 1000
45774	Conf Prot 1 Arming Delay	Int32	Second	n/a	RW	0 - 300
45776	Conf Prot 1 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45778	Conf Prot 1 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45780	Conf Prot 1 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45782	Conf Prot 1 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45784	Conf Prot 1 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45786	Conf Prot 1 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45788	Conf Prot 1 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45790	Conf Prot 1 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45792	Conf Prot 1 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45794	Conf Prot 1 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45796	Conf Prot 2 Param Select	Unit32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
45798	Conf Prot 2 Hysteresis	Int32	Percent	Deci	RW	0 - 1000
45800	Conf Prot 2 Arming Delay	Int32	Second	n/a	RW	0 - 300
45802	Conf Prot 2 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45804	Conf Prot 2 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45806	Conf Prot 2 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45808	Conf Prot 2 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45810	Conf Prot 2 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45812	Conf Prot 2 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45814	Conf Prot 2 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45816	Conf Prot 2 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45818	Conf Prot 2 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
45820	Conf Prot 2 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45822	Conf Prot 3 Param Select	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
45824	Conf Prot 3 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45826	Conf Prot 3 Arming Delay	Int32	Second	n/a	RW	0 - 300
45828	Conf Prot 3 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45830	Conf Prot 3 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45832	Conf Prot 3 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45834	Conf Prot 3 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45836	Conf Prot 3 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45838	Conf Prot 3 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45840	Conf Prot 3 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45842	Conf Prot 3 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45844	Conf Prot 3 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45846	Conf Prot 3 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45848	Conf Prot 4 Param Select	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
45850	Conf Prot 4 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45852	Conf Prot 4 Arming Delay	Int32	Second	n/a	RW	0 - 300
45854	Conf Prot 4 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45856	Conf Prot 4 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45858	Conf Prot 4 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45860	Conf Prot 4 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45862	Conf Prot 4 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45864	Conf Prot 4 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45866	Conf Prot 4 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45868	Conf Prot 4 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45870	Conf Prot 4 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45872	Conf Prot 4 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45874	Conf Prot 5 Param Select	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
45876	Conf Prot 5 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45878	Conf Prot 5 Arming Delay	Int32	Second	n/a	RW	0 - 300
45880	Conf Prot 5 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45882	Conf Prot 5 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45884	Conf Prot 5 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45886	Conf Prot 5 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45888	Conf Prot 5 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45890	Conf Prot 5 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45892	Conf Prot 5 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45894	Conf Prot 5 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45896	Conf Prot 5 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
45898	Conf Prot 5 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45900	Conf Prot 6 Param Select	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
45902	Conf Prot 6 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45904	Conf Prot 6 Arming Delay	Int32	Second	n/a	RW	0 - 300
45906	Conf Prot 6 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45908	Conf Prot 6 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45910	Conf Prot 6 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45912	Conf Prot 6 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45914	Conf Prot 6 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45916	Conf Prot 6 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45918	Conf Prot 6 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45920	Conf Prot 6 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45922	Conf Prot 6 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45924	Conf Prot 6 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45926	Conf Prot 7 Param Select	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
45928	Conf Prot 7 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45930	Conf Prot 7 Arming Delay	Int32	Second	n/a	RW	0 - 300
45932	Conf Prot 7 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45934	Conf Prot 7 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45936	Conf Prot 7 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45938	Conf Prot 7 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45940	Conf Prot 7 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45942	Conf Prot 7 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45944	Conf Prot 7 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45946	Conf Prot 7 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45948	Conf Prot 7 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45950	Conf Prot 7 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45952	Conf Prot 8 Param Select	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
45954	Conf Prot 8 Hysteresis	Int32	Percent	Deci	RW	1 - 1000
45956	Conf Prot 8 Arming Delay	Int32	Second	n/a	RW	0 - 300
45958	Conf Prot 8 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 - 300
45960	Conf Prot 8 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 - 300
45962	Conf Prot 8 Over 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45964	Conf Prot 8 Over 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45966	Conf Prot 8 Under 1 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45968	Conf Prot 8 Under 2 Threshold	Int32	n/a	Centi	RW	(-99999900) - 99999900
45970	Conf Prot 8 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45972	Conf Prot 8 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45974	Conf Prot 8 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
45976	Conf Prot 8 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
45978-5998	Reserved					
46000	J1939-Transmission Oil Pressure	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 4000 kPa, 0 – 580 psi <u>Raw ECU Parameter Data</u> 16 kPa/bit gain, 0 kPa offset
46002	J1939-Transmission Oil Temp	Uint32	Degrees	n/a	R	<u>Data Range</u> -273 – 1735°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
46004	J1939-Winding 1 Temp	Uint32	Degrees	n/a	R	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
46006	J1939-Winding 2 Temp	Uint32	Degrees	n/a	R	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
46008	J1939-Winding 3 Temp	Uint32	Degrees	n/a	R	<u>Data Range</u> -40 – 210°C, -40 – 410°F <u>Raw ECU Parameter Data</u> 1 °C/bit gain, -40°C offset
46010	J1939-ECU Temp	Uint32	Degrees	n/a	R	<u>Data Range</u> -273 – 1734.96875°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
46012	J1939-Aux Pressure 1	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 4000 kPa, 0 – 580 psi <u>Raw ECU Parameter Data</u> 16 kPa/bit gain, 0 kPa offset
46014	J1939-Aux Pressure 2	Uint32	kPa	n/a	R	<u>Data Range</u> 0 – 4000 kPa, 0 – 580 psi <u>Raw ECU Parameter Data</u> 16 kPa/bit gain, 0 kPa offset
46016	J1939-Rated Power	Uint32	kW	n/a	R	<u>Data Range</u> 0 – 32127.5 kW <u>Raw ECU Parameter Data</u> 0.5 kW/bit gain, 0 kW offset
46018	J1939-Rated RPM	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
46020	J1939-Exhaust Temp A	Uint32	Degrees	n/a	R	<u>Data Range</u> -273 – 1734.96875°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
46022	J1939-Exhaust Temp B	Uint32	Degrees	n/a	R	<u>Data Range</u> -273 – 1734.96875°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
46024	J1939-Charge Air Temp	Uint32	Degrees	n/a	R	<u>Data Range</u> -273 – 1734.96875°C, -459.4 – 3155.0°F <u>Raw ECU Parameter Data</u> 0.03125 °C/bit gain, -273°C offset
46026	J1939-ADEC ECU Error Code	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 65535 Proprietary: Consult engine manufacturer
46028	J1939-ADEC Selected Speed Demand	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
46030	J1939-ADEC Effective Set Speed	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
46032	J1939-ADEC CAN Bus Speed Demand	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset
46034	J1939-ADEC Analog Speed Demand	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 8031.875 rpm <u>Raw ECU Parameter Data</u> 0.125 rpm/bit gain, 0 rpm offset

Register	Description	Type	Units	Scaling Factor	R/W	Range
46036	J1939-ADEC Speed Demand Source	Uint32	n/a	n/a	R	0- Analog CAN 1- UP/DN ECU 2- UP/DN CAN 3- Analog ECU 5- Frequency 7- No CAN Demand
46038	J1939-ADEC Specified Torque	Uint32	Nm	n/a	R	<u>Data Range</u> 0 – 64255 Nm <u>Raw ECU Parameter Data</u> 1 Nm/bit gain, 0 Nm offset
46040	J1939-ADEC Engine Optimized	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 64255 Proprietary: Consult engine manufacturer
46042	J1939-ADEC Current P Degree	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 160.7375% <u>Raw ECU Parameter Data</u> 0.0025 %/bit gain, 0% offset
46044	J1939-ADEC Day Tank Fill Percent	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
46046	J1939-ADEC Storage Tank Fill Percent	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 100% <u>Raw ECU Parameter Data</u> 0.4 %/bit gain, 0% offset
46048	J1939-ADEC Injection Quantity	Uint32	mm2	n/a	R	<u>Data Range</u> 0 – 429496729.5 <u>Raw ECU Parameter Data</u> 0.1 mm2/bit gain, 0 mm2 offset
46050	J1939-ADEC Engine Power Reserve	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 4294967.295 <u>Raw ECU Parameter Data</u> 0.001 %/bit gain, 0% offset
46052	J1939-ADEC Cylinder Cutout Code	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary: Consult engine manufacturer
46054	J1939-ADEC Start Sequence Bit Field	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary: Consult engine manufacturer
46056	J1939-ADEC P Lube Oil Limit LO	Uint32	mbar	n/a	R	<u>Data Range</u> 0 – 42949672.95 mbar <u>Raw ECU Parameter Data</u> 0.01 mbar/bit gain, 0 mbar offset
46058	J1939-ADEC P Lube Oil Limit LO LO	Uint32	mbar	n/a	R	<u>Data Range</u> 0 – 42949672.95 mbar <u>Raw ECU Parameter Data</u> 0.01 mbar/bit gain, 0 mbar offset
46060	J1939-ADEC P Charge Air Pressure	Uint32	mbar	n/a	R	<u>Data Range</u> 0 – 42949672.95 mbar <u>Raw ECU Parameter Data</u> 0.01 mbar/bit gain, 0 mbar offset
45062	J1939-ADEC AL Power Amp 1 Fail Bit Fld	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
46064	J1939-ADEC AL Power Amp 2 Fail Bit Fld	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
46066	J1939-ADEC AL Transistor Out Bit FI	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
46068	J1939-ADEC Camshaft RPM	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 429496729.5 rpm <u>Raw ECU Parameter Data</u> 0.1 rpm/bit gain, 0 rpm offset
46070	J1939-ADEC Daily Fuel Consumption	Uint32	Cubic meters	n/a	R	<u>Data Range</u> 0 – 429496.7295 m3 <u>Raw ECU Parameter Data</u> 0.0001 m3/bit gain, 0 m3 offset
46072	J1939-ADEC Frequency Speed Demand.	Uint32	RPM	n/a	R	<u>Data Range</u> 0 – 429496729.5 rpm <u>Raw ECU Parameter Data</u> 0.1 rpm/bit gain, 0 rpm offset
46074	J1939-ADEC Average Trip Fuel Consumption	Uint32	Liters/hour	n/a	R	<u>Data Range</u> 0 – 4294967.295 L/h <u>Raw ECU Parameter Data</u> 0.001 L/h per bit gain, 0 L/h offset

Register	Description	Type	Units	Scaling Factor	R/W	Range
46076	J1939-ADEC Injection Quantity DBR Pct	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 42949672.95 <u>Raw ECU Parameter Data</u> 0.01 %/bit gain, 0% offset
46078	J1939-ADEC Actual Droop	Uint32	Percent	n/a	R	<u>Data Range</u> 0 – 4294967.295 <u>Raw ECU Parameter Data</u> 0.001 %/bit gain, 0% offset
46080	J1939-ADEC Nodes On CAN Bus	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
46082	J1939-ADEC Lost Nodes on CAN Bus	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
46084	J1939-ADEC Trip Operating Time	Uint32	hours	n/a	R	<u>Data Range</u> 0 – 4294967.295 <u>Raw ECU Parameter Data</u> No gain or offset
46086	J1939-ADEC Transistor Out Bit Field	Uint32	n/a	n/a	R	<u>Raw ECU Parameter Data</u> 0 – 4294967295 Proprietary Bit Field Data: Consult engine manufacturer for Details
46088	J1939-ADEC L1L ECU Power Supply Volts	Uint32	Volts	n/a	R	<u>Data Range</u> 0 – 4294967.295 V <u>Raw ECU Parameter Data</u> 0.001 V/bit gain, 0 V offset
46090	J1939-ADEC L2L ECU Power Supply Volts	Uint32	Volts	n/a	R	<u>Data Range</u> 0 – 4294967.295 V <u>Raw ECU Parameter Data</u> 0.001 V/bit gain, 0 V offset
46092	J939-ADEC U1LECU Power Supply Volts	Uint32	Volts	n/a	R	<u>Data Range</u> 0 – 4294967.295 V <u>Raw ECU Parameter Data</u> 0.001 V/bit gain, 0 V offset
46094	J1939-ADEC U2L ECU Power Supply Volts	Uint32	Volts	n/a	R	<u>Data Range</u> 0 – 4294967.295 V <u>Raw ECU Parameter Data</u> 0.001 V/bit gain, 0 V offset
46096	J1939-ADEC Trip Idle Time	Uint32	Seconds	n/a	R	<u>Data Range</u> 0 – 4294967295 V <u>Raw ECU Parameter Data</u> No gain or offset
46098	J1939-ADEC T Coolant Limit Hi	Uint32	Degrees	n/a	R	<u>Data Range</u> 0 – 42949672.95 °C <u>Raw ECU Parameter Data</u> 0.01 °C/bit gain, 0 °C offset
46100	J1939-ADEC T Coolant Limit Hi Hi	Uint32	Degrees	n/a	R	<u>Data Range</u> 0 – 42949672.95 °C <u>Raw ECU Parameter Data</u> 0.01 °C/bit gain, 0 °C offset
46102	J1939-ADEC T Charge Air Limit Hi	Uint32	Degrees	n/a	R	<u>Data Range</u> 0 – 42949672.95 °C <u>Raw ECU Parameter Data</u> 0.01 °C/bit gain, 0 °C offset
46104	J1939-ADEC T Intercooler Limit Hi	Uint32	Degrees	n/a	R	<u>Data Range</u> 0 – 42949672.95 °C <u>Raw ECU Parameter Data</u> 0.01 °C/bit gain, 0 °C offset
46106	J1939-mtu Sps Node	Uint32	n/a	None	R	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
46108	J1939-mtu Sw Type	Uint32	n/a	None	R	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
46110	J1939-mtu Sw Var	Uint32	n/a	None	R	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
46112	J1939-mtu Sw Ed 1	Uint32	n/a	None	R	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
46114	J1939-mtu Sw Ed2	Uint32	n/a	None	R	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer
46116	J1939-mtu Rev	Uint32	n/a	None	R	<u>Raw ECU Parameter Data</u> 0 – 255 Proprietary: Consult engine manufacturer

Register	Description	Type	Units	Scaling Factor	R/W	Range
46118	J1939-mtu Sw Mod	Uint32	n/a	None	R	Raw ECU Parameter Data 0 – 255 Proprietary: Consult engine manufacturer
46120	J1939-ECU Protect Lamp Status Data	Uint32	Raw ECU Parameter Data	N/A	R	0 = Off 1 = On 2 = Slow Flash 3 = Fast Flash
46122	J1939-ECU Warning Lamp Status Data	Uint32	Raw ECU Parameter Data	N/A	R	0 = Off 1 = On 2 = Slow Flash 3 = Fast Flash
46124	J1939-ECU Red Stop Lamp Status Data	Uint32	Raw ECU Parameter Data	N/A	R	0 = Off 1 = On 2 = Slow Flash 3 = Fast Flash
46126	J1939-ECU Malfunction Status Data	Uint32	Raw ECU Parameter Data	N/A	R	0 = Off 1 = On 2 = Slow Flash 3 = Fast Flash
46128-6248	Reserved					
46250	PLC Timer 1 Seconds	Int32	Second	Deci	RW	0 - 18000
46252	PLC Timer 2 Seconds	Int32	Second	Deci	RW	0 - 18000
46254	PLC Timer 3 Seconds	Int32	Second	Deci	RW	0 - 18000
46256	PLC Timer 4 Seconds	Int32	Second	Deci	RW	0 - 18000
46258	PLC Timer 5 Seconds	Int32	Second	Deci	RW	0 - 18000
46260	PLC Timer 6 Seconds	Int32	Second	Deci	RW	0 - 18000
46262	PLC Timer 7 Seconds	Int32	Second	Deci	RW	0 - 18000
46264	PLC Timer 8 Seconds	Int32	Second	Deci	RW	0 - 18000
46266	PLC Timer 9 Seconds	Int32	Second	Deci	RW	0 - 18000
46268	PLC Timer 10 Seconds	Int32	Second	Deci	RW	0 - 18000
46270-309	Reserved					
46310	AEM Input 1 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46312	AEM Input 1 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46314	AEM Input 1 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46316	AEM Input 1 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46318	AEM Input 1 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46320	AEM Input 1 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46322	AEM Input 1 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46324	AEM Input 1 Arming Delay	Int32	Second	n/a	RW	0 – 300
46326	AEM Input 1 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46328	AEM Input 1 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46330	AEM Input 1 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46332	AEM Input 1 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46334	AEM Input 1 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46336	AEM Input 1 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46338	AEM Input 1 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46340	AEM Input 1 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46342	AEM Input 1 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46344	AEM Input 1 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
46346	AEM Input 1 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46348	AEM Input 2 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46350	AEM Input 2 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46352	AEM Input 2 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46354	AEM Input 2 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46356	AEM Input 2 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46358	AEM Input 2 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46360	AEM Input 2 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46362	AEM Input 2 Arming Delay	Int32	Second	n/a	RW	0 – 300
46364	AEM Input 2 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46366	AEM Input 2 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46368	AEM Input 2 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46370	AEM Input 2 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46372	AEM Input 2 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46374	AEM Input 2 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46376	AEM Input 2 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46378	AEM Input 2 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46380	AEM Input 2 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46382	AEM Input 2 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46384	AEM Input 2 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46386	AEM Input 3 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46388	AEM Input 3 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46390	AEM Input 3 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46392	AEM Input 3 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46394	AEM Input 3 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46396	AEM Input 3 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46398	AEM Input 3 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46400	AEM Input 3 Arming Delay	Int32	Second	n/a	RW	0 – 300
46402	AEM Input 3 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46404	AEM Input 3 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46406	AEM Input 3 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46408	AEM Input 3 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46410	AEM Input 3 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46412	AEM Input 3 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46414	AEM Input 3 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46416	AEM Input 3 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46418	AEM Input 3 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46420	AEM Input 3 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46422	AEM Input 3 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46424	AEM Input 4 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46426	AEM Input 4 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46428	AEM Input 4 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46430	AEM Input 4 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46432	AEM Input 4 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46434	AEM Input 4 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900

Register	Description	Type	Units	Scaling Factor	R/W	Range
46436	AEM Input 4 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46438	AEM Input 4 Arming Delay	Int32	Second	n/a	RW	0 – 300
46440	AEM Input 4 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46442	AEM Input 4 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46444	AEM Input 4 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46446	AEM Input 4 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46448	AEM Input 4 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46450	AEM Input 4 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46452	AEM Input 4 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46454	AEM Input 4 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46456	AEM Input 4 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46458	AEM Input 4 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46460	AEM Input 4 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46462 - 46498	Reserved					
46500	AEM Input 5 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46502	AEM Input 5 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46504	AEM Input 5 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46506	AEM Input 5 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46508	AEM Input 5 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46510	AEM Input 5 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46512	AEM Input 5 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46514	AEM Input 5 Arming Delay	Int32	Second	n/a	RW	0 – 300
46516	AEM Input 5 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46518	AEM Input 5 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46520	AEM Input 5 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46522	AEM Input 5 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46524	AEM Input 5 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46526	AEM Input 5 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46528	AEM Input 5 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46530	AEM Input 5 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46532	AEM Input 5 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46534	AEM Input 5 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46536	AEM Input 5 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46538	AEM Input 6 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46540	AEM Input 6 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46542	AEM Input 6 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46544	AEM Input 6 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46546	AEM Input 6 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46548	AEM Input 6 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46550	AEM Input 6 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46552	AEM Input 6 Arming Delay	Int32	Second	n/a	RW	0 – 300
46554	AEM Input 6 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46556	AEM Input 6 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300

Register	Description	Type	Units	Scaling Factor	R/W	Range
46558	AEM Input 6 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46560	AEM Input 6 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46562	AEM Input 6 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46564	AEM Input 6 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46566	AEM Input 6 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46568	AEM Input 6 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46570	AEM Input 6 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46572	AEM Input 6 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46574	AEM Input 6 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46576	AEM Input 7 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46578	AEM Input 7 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46580	AEM Input 7 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46582	AEM Input 7 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46584	AEM Input 7 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46586	AEM Input 7 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46588	AEM Input 7 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46590	AEM Input 7 Arming Delay	Int32	Second	n/a	RW	0 – 300
46592	AEM Input 7 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46594	AEM Input 7 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46596	AEM Input 7 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46598	AEM Input 7 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46600	AEM Input 7 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46602	AEM Input 7 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46604	AEM Input 7 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46606	AEM Input 7 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46608	AEM Input 7 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46610	AEM Input 7 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46612	AEM Input 7 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46614	AEM Input 8 Max Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46616	AEM Input 8 Max Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46618	AEM Input 8 Min Voltage	Int32	DeciVolt	Deci	RW	0 - 100
46620	AEM Input 8 Min Current	Int32	Milliamp x 10	Deci	RW	40 - 200
46622	AEM Input 8 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46624	AEM Input 8 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46626	AEM Input 8 Hysteresis	Int32	Deci Percent	Deci	RW	0 – 1000
46628	AEM Input 8 Arming Delay	Int32	Second	n/a	RW	0 – 300
46630	AEM Input 8 Threshold 1 Activation Delay	Int32	Second	n/a	RW	0 – 300
46632	AEM Input 8 Threshold 2 Activation Delay	Int32	Second	n/a	RW	0 – 300
46634	AEM Input 8 Over 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46636	AEM Input 8 Over 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46638	AEM Input 8 Under 1 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46640	AEM Input 8 Under 2 Threshold	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900

Register	Description	Type	Units	Scaling Factor	R/W	Range
46642	AEM Input 8 Over 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46644	AEM Input 8 Over 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46646	AEM Input 8 Under 1 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46648	AEM Input 8 Under 2 Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46650	AEM Input 8 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46652	AEM Output 1 Max Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46654	AEM Output 1 Max Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46656	AEM Output 1 Min Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46658	AEM Output 1 Min Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46660	AEM Output 1 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46662	AEM Output 1 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46664	AEM Output 1 Param Selection	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
46666	AEM Output 1 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46668	AEM Output 1 Out of Range Time Delay	Int32	Second	n/a	RW	0 – 300
46670	AEM Output 2 Max Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46672	AEM Output 2 Max Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46674	AEM Output 2 Min Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46676	AEM Output 2 Min Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46678	AEM Output 2 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46680	AEM Output 2 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46682	AEM Output 2 Param Selection	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
46684	AEM Output 2 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46686	AEM Output 2 Out of Range Time Delay	Int32	Second	n/a	RW	0 – 300
46688	AEM Output 3 Max Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46690	AEM Output 3 Max Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46692	AEM Output 3 Min Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46694	AEM Output 3 Min Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46696	AEM Output 3 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46698	AEM Output 3 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46700	AEM Output 3 Param Selection	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
46702	AEM Output 3 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46704	AEM Output 3 Out of Range Time Delay	Int32	Second	n/a	RW	0 – 300
46706	AEM Output 4 Max Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46708	AEM Output 4 Max Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46710	AEM Output 4 Min Voltage	Int32	DeciVolt	Deci	RW	0 – 100
46712	AEM Output 4 Min Current	Int32	Milliamp x 10	Deci	RW	40 – 200
46714	AEM Output 4 Param Max	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46716	AEM Output 4 Param Min	Int32	Centi Unit	Centi	RW	(-100000000) – 99999900
46718	AEM Output 4 Param Selection	UInt32	n/a	n/a	RW	See the <i>Selectable Parameters</i> chapter for a complete list.
46720	AEM Output 4 Out of Range Alarm Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46722	AEM Output 4 Out of Range Time Delay	Int32	Second	n/a	RW	0 – 300
46724 - 46748	Reserved					
46750	User Config Input 1 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46752	User Config Input 1 Time Delay	Int32	Second	n/a	RW	0 – 300
46754	User Config Input 1 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46756	User Config Input 2 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm

Register	Description	Type	Units	Scaling Factor	R/W	Range
46758	User Config Input 2 Time Delay	Int32	Second	n/a	RW	0 – 300
46760	User Config Input 2 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46762	User Config Input 3 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46764	User Config Input 3 Time Delay	Int32	Second	n/a	RW	0 – 300
46766	User Config Input 3 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46768	User Config Input 4 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46770	User Config Input 4 Time Delay	Int32	Second	n/a	RW	0 – 300
46772	User Config Input 4 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46774	User Config Input 5 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46776	User Config Input 5 Time Delay	Int32	Second	n/a	RW	0 – 300
46778	User Config Input 5 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46780	User Config Input 6 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46782	User Config Input 6 Time Delay	Int32	Second	n/a	RW	0 – 300
46784	User Config Input 6 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46786	User Config Input 7 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46788	User Config Input 7 Time Delay	Int32	Second	n/a	RW	0 – 300
46790	User Config Input 7 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46792	User Config Input 8 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46794	User Config Input 8 Time Delay	Int32	Second	n/a	RW	0 – 300
46796	User Config Input 8 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46798	User Config Input 9 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46800	User Config Input 9 Time Delay	Int32	Second	n/a	RW	0 – 300
46802	User Config Input 9 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46804	User Config Input 10 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46806	User Config Input 10 Time Delay	Int32	Second	n/a	RW	0 – 300
46808	User Config Input 10 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46810	User Config Input 11 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46812	User Config Input 11 Time Delay	Int32	Second	n/a	RW	0 – 300
46814	User Config Input 11 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46816	User Config Input 12 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46818	User Config Input 12 Time Delay	Int32	Second	n/a	RW	0 – 300
46820	User Config Input 12 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46822	User Config Input 13 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46824	User Config Input 13 Time Delay	Int32	Second	n/a	RW	0 – 300

Register	Description	Type	Units	Scaling Factor	R/W	Range
46826	User Config Input 13 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46828	User Config Input 14 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46830	User Config Input 14 Time Delay	Int32	Second	n/a	RW	0 – 300
46832	User Config Input 14 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46834	User Config Input 15 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46836	User Config Input 15 Time Delay	Int32	Second	n/a	RW	0 – 300
46838	User Config Input 15 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46840	User Config Input 16 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46842	User Config Input 16 Time Delay	Int32	Second	n/a	RW	0 – 300
46844	User Config Input 16 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46846	User Config Input 17 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46848	User Config Input 17 Time Delay	Int32	Second	n/a	RW	0 – 300
46850	User Config Input 17 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46852	User Config Input 18 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46854	User Config Input 18 Time Delay	Int32	Second	n/a	RW	0 – 300
46856	User Config Input 18 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46858	User Config Input 19 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46860	User Config Input 19 Time Delay	Int32	Second	n/a	RW	0 – 300
46862	User Config Input 19 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46864	User Config Input 20 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46866	User Config Input 20 Time Delay	Int32	Second	n/a	RW	0 – 300
46868	User Config Input 20 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46870	User Config Input 21 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46872	User Config Input 21 Time Delay	Int32	Second	n/a	RW	0 – 300
46874	User Config Input 21 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46876	User Config Input 22 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46878	User Config Input 22 Time Delay	Int32	Second	n/a	RW	0 – 300
46880	User Config Input 22 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46882	User Config Input 23 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46884	User Config Input 23 Time Delay	Int32	Second	n/a	RW	0 – 300
46886	User Config Input 23 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46888	User Config Input 24 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46890	User Config Input 24 Time Delay	Int32	Second	n/a	RW	0 – 300
46892	User Config Input 24 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only

Register	Description	Type	Units	Scaling Factor	R/W	Range
46894	User Config Input 25 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46896	User Config Input 25 Time Delay	Int32	Second	n/a	RW	0 – 300
46898	User Config Input 25 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46900	User Config Input 26 Config Type	Int32	n/a	n/a	RW	0 = Status Only 1 = Pre-Alarm 2 = Alarm
46902	User Config Input 26 Time Delay	Int32	Second	n/a	RW	0 – 300
46904	User Config Input 26 Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46906	ATS Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46908	ATS Time Delay	Int32	Second	n/a	RW	0 – 300
46910	ATS Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46912	Battle Override Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46914	Battle Override Time Delay	Int32	Second	n/a	RW	0 – 300
46916	Battle Override Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46918	Low Coolant Level Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46920	Low Coolant Level Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
46922	Low Coolant Level Time Delay	Int32	Second	n/a	RW	0 – 300
46924	Low Coolant Level Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only

Register	Description	Type	Units	Scaling Factor	R/W	Range
46926	Battery Charge Failed Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46928	Battery Charge Failed Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
46930	Battery Charge Failed Time Delay	Int32	Second	n/a	RW	0 – 300
46932	Battery Charge Failed Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46934	Fuel Leak Detect Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46936	Fuel Leak Detect Config Type	Int32	n/a	n/a	RW	0 = None 1 = Alarm 2 = Pre-Alarm
46938	Fuel Leak Detect Time Delay	Int32	Second	n/a	RW	0 – 300
46940	Fuel Leak Detect Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46942	Single-Phase Connection Override Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46944	Reserved					
46946	Single-Phase Connection Override Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only

Register	Description	Type	Units	Scaling Factor	R/W	Range
46948	Single-Phase AC Sense Override Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46950	Single-Phase AC Sense Override Time Delay	Int32	Second	n/a	RW	0 – 300
46952	Single-Phase AC Sense Override Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46954	High/Low Line Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46956	Hi/Lo Line Time Delay	Int32	Second	n/a	RW	0 – 300
46958	Hi/Lo Line Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only
46960	Grounded Delta Override Contact Input	Int32	n/a	n/a	RW	-1 = None 0 = Input 1 1 = Input 2 2 = Input 3 3 = Input 4 4 = Input 5 5 = Input 6 6 = Input 7 7 = Input 8 8 = Input 9 9 = Input 10 10 = Input 11 11 = Input 12 12 = Input 13 13 = Input 14 14 = Input 15 15 = Input 16
46962	Grounded Delta Override Time Delay	Int32	Second	n/a	RW	0 – 300
46964	Grounded Delta Override Engine Running Only	Int32	n/a	n/a	RW	0 = Always 1 = While Engine Running Only





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