Introduction

This publication provides a historical summary of the changes made to BESTCOMS*Plus* software.

Revision history information for product firmware and hardware is provided in the *Firmware/Hardware Revision History* document for each product.

This information is provided for confidential use with the mutual understanding that it will not be used in any manner detrimental to the interests of Basler Electric.

The revision history for BESTCOMS*Plus* is provided as follows. Revisions are presented in reverse chronological order.

Software Version and Date	Change
5.11.00 January 2026	DECS-250, DECS-250N, DECS-250E: • Added support for firmware version 2.09.00 • Added security log functionality • Increased limiter scaling ranges to 1,000% DECS-450, DECS-450R: • Added support for firmware version 2.01.00 • Added Crowbar Active logic status • Added FVR_Only logic element DECS-250, DECS-250N, DECS-250E, DECS-450, DECS-450R: • Added security version reporting • Added system-in-use messaging support • Miscellaneous maintenance updates
5.10.03 October 2025	BE1-FLEX: • Resolved inability to manually change firmware version in a settings file
5.10.02 September 2025	DGC-2020HD: • Added support for firmware versions 3.09.02, 2.09.02, and 1.09.02 • Added Fiat Powertrain Technologies (FPT) ECU support to J1939 CAN Bus communications • Added Volvo EMS 2_4 EU Stage 5 Exhaust System Annunciation capabilities • Implemented "Gain Groups" for gain settings in KW, KVAR, Speed, and Voltage PID controllers
5.09.01 July 2025	BE1-FLEX: • Corrected configured style displayed when opening settings file from Windows® Explorer instead of from within BE1-FLEX plugin

5.09.00 June 2025	All Products: • Corrected issue where metering stops updating (all except BE1-FLEX) • Corrected issue where the Metering Explorer doesn't show up after opening a custom workspace BE1-FLEX: • Added support for arrays to DNP • Changed to show user-defined RTD input names on HMI • Changed default setting of Fault Recorder Prefault Cycles from 2 to 4 • Changed to disable HSR and PRP Ethernet modes with a W2 board • Improved scaling of primary CT and VT values • Improved mapping of all values in settings print export • Improved 51 table curve rounding • Corrected lockup when Unsecured Access is set for None and access times out • Corrected issue where Device Information settings are not downloaded from the device during settings compare • Corrected Power Quality metering on devices with voltage sensing only • Corrected issue where BESTCOMS*Plus* ends when attempting to reset style • Corrected logic names on print report BE1-11, DECS-150, DECS-250, DECS-450: • Corrected printing of headers on print report DECS-150, DECS-250, DECS-450: • Added customized UEL settings to printed report • Changed to allow Rated Data information to be included on the print report when the Exclude Disabled Settings option is checked • Improved display of elements settings when the element is disabled • Improved display of values on Per-Unit Control Panel • Improved length of time it takes to upload new Watt, Var, and VA hours in the metering screen • Improved vertical axis scaling when cursors are added in the Analysis Screen DECS-250, DECS-450: • Improved naming of OEL time settings DECS-450: • Corrected issue where the Gain Conversion Tool inconsistently updates the primary and secondary AVR kA values DECS-250: • Corrected issue where the Set Y Scale in the Analysis Screen would not allow the user to set the y-axis scale to Automatic mode DECS-150: • Improved display of Var Controller Setpoint Fine Adjust value • Corrected an issue where default security settings were loaded if settings and logic are downloaded prior to uploading security • Correct issue that caused BESTCOMS*Plus* to lock up when navigating to and from the Analysis Screen DGC-2020HD, DECS-250, DECS-450: • Changed to disable access control settings in live mode or if the user does not have admin access DGC-2020HD: • Corrected issue where some settings are grayed out when they should not be or are not grayed out when they should be

Software Version and Date	Change
5.08.02 January 2025	DECS-150: • Added support for firmware version 3.05.01 with Load Shed Control, System in Use notification, and Security Log • Added DECS Secondary Status to BESTlogic™*Plus* • Improved Takeover OEL curve graph
5.07.03 November 2024	DECS-150: • Added support for firmware version 3.04.06 • Added the ability to update the boot code from BESTCOMS*Plus*
5.07.01 April 2024	BE1-700V: • Initial release
5.06.00 October 2023	DGC-2020HD: • Added support for firmware versions 3.08.00, 2.08.00, and 1.08.00
5.05.00 September 2023	All Products: • Removed BESTCOMS*Plus* activation requirements DECS-150: • Added support for version 3 firmware DECS-450: • Updated the Setpoints screen to make settings sync with active setpoints DECS-250, DECS-450 • Minor modification to logic library files surrounding the Open and Close request inputs of the GENBRK logic element to give priority to Open if they are simultaneously inserted
5.04.00 February 2023	BE1-FLEX: • Added IEC 61850 protocol settings • Added advanced HMIC editor settings DECS-450: • Improved the OEL Takeover Curve • Improved the Gain Conversion screen
5.03.00 November 2022	All Products: • Updated logic file printing BE1-FLEX: • Corrected issue where some read-only Modbus registers were shown as read/write in the Modbus map • Corrected auto generation of inputs at high counts • Improved settings summary status indication of 50BF element • Corrected 27/51V/59 mode selection when Vx is set to phase DECS-450: • Minor corrections to gain conversion settings DGC-2020, DGC-2020ES: • Added a new ECU configuration selection of Deutz proprietary Tier 4 exhaust system annunciation • Added metering screens for Deutz proprietary Tier 4 exhaust systems • Added a setting to disable/enable display of DEF level on front panel overview screen • Added a setting to disable/enable DEF pre-alarms • Added a setting for Battery and rpm display, which can be set to Battery, rpm, or Alternate

Software Version and Date	Change
5.02.02 April 2022	BE1-FLEX: • Added prompt to auto-populate breaker sources and single phase voltage sensing to all settings groups • Corrected IEC setup circuit connections in the Differential Zone Setup • Corrected unhandled settings file error
5.02.00 December 2021	DGC-2020: • Added support for firmware version 3.21.00 DGC-2020ES: • Added support for firmware version 1.05.00 BE1-FLEX: • Improved print function BE1-11, DECS-250, DGC-2020HD: • Corrected defaulting of values when opening older settings files BE1-11, DECS-150, DECS-250, DECS-450: • Updated Sequence of Events Filtering
5.01.00 September 2021	BE1-FLEX: • Removed default workspace feature
4.05.00 September 2021	DGC-2020HD: • Added support for firmware versions 2.06.00 and 1.06.00 • Added column filtering/searching in sequence of events reporting All Products: • Removed default workspace feature
5.00.00 May 2021	BE1-FLEX: • Initial release
4.03.00 January 2021	DECS-150: • Added Tracking Comms Loss alarm • Corrected Time per Division range on Analysis view • Improved Security screen views
4.02.00 August 2020	DECS-450: • Initial release
4.01.00 December 2019	BE1-11d: • Corrected BESTCOMS*Plus* DNP mapping for the 76 element binary points DGC-2020, DGC-2020ES, DGC-2020HD, IEM-2020: • Corrected opening of sender curve files DGC-2020ES: • Added support for firmware version 1.04.00
4.00.02 October 2019	All Products: • Corrected range check issue when opening settings files with computers using non-English, US numerical formatting DECS-250, DECS-250N, DECS-250E: • Corrected an issue where the AVR and var Setpoints and Pre-Positions could get corrupted when opening a settings file
4.00.01 October 2019	All Products: • Changed validation to ignore settings that are not applicable for the selected device application version

Software Version and Date	Change
4.00.00 September 2019	All Products: • Added settings validation view and improved functionality • Removed support for Windows XP, Vista, 8.0, and 7 pre service pack 1 DECS-150: • Added support for firmware version 2.04.00 DGC-2020: • Added new metering pre-alarms for DEF Consumption Incorrect, DEF Quality Poor, DEF Tampering, Torque Limit, and Torque Limit Severe
3.21.01 July 2019	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*t*: • Corrected an issue with uploading and downloading 27X and 59X settings BE1-11*m*: • Corrected an issue with uploading and downloading 59X settings DGC-2020HD: • Corrected an issue with uploading and downloading Generator CT Phase Connection setting
3.21.00 April 2019	DECS-150: • Added support for firmware version 2.03.00 DECS-250, DECS-250N: • Added support for firmware version 1.06.00
3.20.00 February 2019	BE1-11*d:* • Initial release BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t:* • Changed to sort the digital points metering in alphabetical order
3.19.00 July 2018	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • Added support for BE1-11 firmware versions 2.11.04 and 3.11.04 • Improved USB communication • Changed to make User Programmable Targets available for firmware version 2.10.00 DECS-150: • Changed maximum logic levels from 32 to 24 • Changed to prevent default settings from being loaded when PSS style option is enabled offline • Internal and external tracking status is now automatically updated in metering DECS-250, DECS-250N: • Improved user experience when changing style number DGC-2020: • Updated to support firmware package 1.21.02 DGC-2020HD: • Added support for firmware version 2.04.03
3.18.01 May 2018	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • Added support for BE1-11 firmware versions 2.11.03 and 3.11.03

Software Version and Date	Change
3.18.00 January 2018	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • Corrected an issue preventing BESTCOMS*Plus* from connecting via USB to a BE1-11 holding firmware prior to version 2.07.00 DECS-150: • Added settings for external tracking, network load sharing, and Modbus • Added Underfrequency Limiter Reset Time setting • Improved frequency response in real-time metering
3.17.01 July 2017	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • Updated USB driver installer for improved Windows 10 compatibility • Corrected issue with settings printout DECS-150, DECS-250, DECS-250N, DECS-250E, DGC-2020HD: • Updated USB driver installer to improve Windows 10 compatibility
3.17.00 May 2017	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • **Security Patch:** Corrected issue in which Port Access Device Security setup for USB was not being uploaded to units with hardware version AK and later. See the *Security* and BESTCOMS*Plus* Software chapters in the BE1-11 instruction manual. • Added support for BE1-11 firmware version 2.11.01 • Added authentication and encrypted communication • Improved target reporting for the 21 and 24 elements • Enabled detection of a unit connected through USB when unsecured access is set to none • Improved communication to devices BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*: • Improved target reporting for the 32 element DECS-250, DECS-250N, DECS-250E: • Added support for firmware version 1.05.03 DGC-2020HD: • Added support for firmware version 2.04.00 • Added a warning prompt when the Start/Stop buttons are clicked • Changed to allow a maximum of 1,024 gates per logic level with a maximum of 1,024 gates allowed per diagram • Changed to disallow commas in logic labels • Changed to allow firmware upload when unsecured access is set to None
3.15.00 November 2016	DGC-2020HD: • Added support for firmware version 2.03.00 • Added Chinese and Russian language support

Software Version and Date	Change
3.14.00 July 2016	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • Added support for BE1-11 firmware version 2.10.00 • Corrected duplication of style number options in settings printout DECS-150: • Added Chinese and Russian language support • Corrected ability to set invalid underfrequency limiter settings • Improved the Auto Tune function's calculation of PID gains • Corrected the display order of data log records DECS-250, DECS-250N, DECS-250E: • Added support for firmware version 1.05.00 DGC-2020ES: • Updated to support firmware version 1.03.00 • Added several pre-alarm status inputs to logic • Added MTU Combined Red Alarm status to logic • Added Chinese language support
3.12.00 April 2016	All Products: • Added Windows 10 compatibility • Changed to prevent Offline Simulator button from disabling after sending settings to the device BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • Changed to allow uploading of newer security settings into older devices • Improved 43 switches screen layout DECS-250E: • Initial release DGC-2020: • Added a Cylinder Cutout Enable Override logic element • Improved handling of flywheel setting when upgrading older settings files • Changed to block Fuel Level Sender settings when the function is set to disabled • Added MTU Combined Red Alarm in the Alarm Status selections in BESTlogicPlus • Added several pre-alarms to logic status in BESTlogic*Plus*
3.11.00 December 2015	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • Added support for BE1-11 firmware version 2.09.00 • Added Sequence of Events filtering BE1-11*m*: • Added Differential Reporting DECS-150: • Corrected the Stop Auto Tune button on the Auto Tuning screen DECS-250, DECS-250N: • Added support for firmware version 1.03.02 DGC-2020HD: • Added support for firmware version 2.02.00 • Added Settings Loader Tool
3.10.00 October 2015	DECS-150: • Initial release
3.09.00 April 2015	DGC-2020HD: • Added support for firmware version 1.01.00 • Analysis view updated with support for 6 plots

Publication	Revision		Date	Page
9407300990	X	*Revision History*	02/26	7 of 16

For terms of service relating to this product and software, see the *Commercial Terms of Products and Services* document available at www.basler.com/customer-terms-and-conditions.

Software Version and Date	Change
3.08.02 March 2015	DGC-2020ES, DGC-2020HD: • Minor regional settings improvement
3.08.00 February 2015	BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*: • Added ability to jump to a protection settings screen by clicking on an LED on the Protection Summary screen • Added scaling capability to phasor diagrams in metering • Added file save error message when trying to save an event log with an invalid filename • Improved Summary screen views • Added the degrees symbol to displayed temperature values • Added the ability to enter all zeroes for the gateway address • Added automatic screen resizing of System Summary screen BE1-11*g*: • Added Display Units setting to the 40Z settings screen DECS-250, DECS-250N: • Added support for firmware version 1.03.00 • Added pre-defined logic schemes with PSS DGC-2020ES: • Added a setting to download settings after initial connect • Added file save error message when trying to save an event log with an invalid filename
3.07.03 January 2015	DECS-250, DECS-250N: • Modified autotuning

3.07.00 October 2014	**BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*:**

BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*, BE1-11*t*:
- Added Conformal Coating to Option 2 in style number
- Removed duplicate results in the device discovery list
- Changed to allow a comma in the Device ID
- Improved prompts to save settings when choosing to close all open views
- Changed to hide security settings for the RTD module when opening a settings file
- Changed to allow the middle mouse button to close the security view
- Changed to make BESTlogicPlus status LEDs report all logic errors
- Changed to always show primary and secondary units in settings views
- Improved analog output selection when an RTD module is connected
- Corrected errors when opening a workspace file
- Corrected saving of RTD module settings file
- Corrected logic compiler errors
- Corrected settings save cancel when entering live mode
- Corrected display of remote analog inputs when RTD module communication is disabled
- Corrected uploading of logic while in live mode
- Corrected logic copy/paste errors
- Corrected filename mismatch after cancelling login

DECS-250, DECS-250N:
- Improved graphing of UEL curve
- Changed UEL Primary Curve screen to allow decimal points when in per unit mode
- Removed duplicate results in the device discovery list
- Improvements to device directory on Connection screen
- Changed to allow a comma in the Device ID
- Changed to annunciate a connection failure message when a device is not present on a selected port
- Improved prompts to save settings when choosing to close all open views
- Changed to allow the middle mouse button to close the security view
- Improved display of raw analog input currents
- Changed to make BESTlogic*Plus* status LEDs report all logic errors

DGC-2020, IEM-2020:
- Updated to support firmware package 1.19.00
- Added Load Share and Control Diagnostics screens
- Changed to allow the Metering Status screen to open before a connection is made
- Removed duplicate results in the device discovery list
- Improvements to device directory on Connection screen
- Changed how the LSM-2020 model number is reported on the Device Info screen
- Changed to allow a comma in the Device ID
- Changed to annunciate a connection failure message when a device is not present on a selected port
- Improved prompts to save settings when choosing to close all open views
- Changed to hide security settings for the LSM-2020 when opening a settings file
- Changed to allow the middle mouse button to close the security view
- Improved display of raw analog input currents
- Changed to make BESTlogic*Plus* status LEDs report all logic errors

DGC-2020ES:
- Updated to support firmware version 1.02.00
- Removed duplicate results in the device discovery list

Publication **9407300990**	Revision **X**	*Revision History*	Date **02/26**	Page **9 of 16**

Software Version and Date	Change
	• Improvements to device directory on Connection screen • Changed to allow a comma in the Device ID • Changed to annunciate a connection failure message when a device is not present on a selected port • Improved prompts to save settings when choosing to close all open views • Changed to allow the middle mouse button to close the security view • Improved display of raw analog input currents • Changed to make BESTlogicPlus status LEDs report all logic errors DGC-2020HD: • Removed duplicate results in the device discovery list • Improvements to device directory on Connection screen • Changed to allow a comma in the Device ID • Changed to annunciate a connection failure message when a device is not present on a selected port • Improved prompts to save settings when choosing to close all open views • Changed to allow the middle mouse button to close the security view • Improved display of raw analog input currents • Changed to make BESTlogicPlus status LEDs report all logic errors
3.06.00 April 2014	BE1-11f, BE1-11g, BE1-11i, BE1-11m, BE1-11t: • Added support for BE1-11 firmware version 2.08.00 • Added Switch/Pulse drop-down selection on the Virtual Switches Control screen • Changed the Download button to Refresh and added a Toggle Sorting button on the Sequence of Events screen and Security Log screen DECS-250, DECS-250N: • Updated to support firmware version 1.02.00
3.05.03 February 2014	DECS-250N: • Initial release DGC-2020HD: • Updated to support firmware version 1.00.02
3.05.02 January 2014	BE1-11f, BE1-11g, BE1-11i, BE1-11m, BE1-11t: • Added support for firmware version 2.07.00 • Added a feature to reset the BE1-11 to factory defaults BE1-11g: • Added primary ohms conversion for 21, 40Z, and 78OOS elements when Display Units is set to Primary DECS-250: • Updated to support firmware version 1.01.05 DGC-2020HD: • Initial release
3.03.03 June 2013	BE1-11f, BE1-11g, BE1-11i, BE1-11m, BE1-11t: • Updated PC requirements (See the *BESTCOMSPlus* chapter in the BE1-11 instruction manual for more information.) IEM-2020: • Updated to support firmware package version 1.01.04

Software Version and Date	Change
3.03.00 March 2013	DGC-2020: • Updated to support firmware package 1.17.02 • Added breaker hardware settings • Added new mains fail transfer screen DGC-2020ES: • Initial release
3.02.00 December 2012	All Products: • Added Windows 8 compatibility DGC-2020: • Updated to support firmware package 1.17.00 • Increased number of logic gates per level from 10 to 20
3.01.01 November 2012	BE1-11g: • Added Delta/Wye Compensation Enable setting on the Distance (21) settings screen DECS-250: • Added English/Metric unit display
3.00.02 September 2012	BE1-11f, BE1-11g, BE1-11i, BE1-11m: • Added support for BE1-11 firmware version 2.06.00 • Updated the settings compare feature to include Modbus® and DNP differences BE1-11t: • Initial release DECS-250: • Initial release
2.14.00 July 2012	All Products: • Improved overall functionality BE1-11f, BE1-11g, BE1-11i, BE1-11m: • Improved RTD metering in settings printout DGC-2020: • Added Engine Load Percent as a Configurable Protection parameter and Analog Output Selection parameter • Added Closed Transition Override logic element
2.13.01 May 2012	DGC-2020: • Updated to support firmware package 1.15.00
2.13.00 April 2012	IEM-2020: • Updated to support firmware package 1.01.02
2.11.02 December 2011	All Products: • Added the ability to disable settings download after reconnect or initial connect on the Advanced Properties dialog in the Connection screen • Improved workspace files BE1-11f, BE1-11g, BE1-11i, BE1-11m: • Improved metering and settings file printouts • Added options to print Modbus and DNP points in settings file printouts • Improved Phasor Diagrams in Metering DGC-2020: • Added a Cancel button on the Rated Data dialog

Software Version and Date	Change
2.11.01 November 2011	All Products: • Enhanced settings file printout BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*: • Added Output Override Alarm settings • Added IRIG Decoding setting on Clock Setup screen • Enhanced voltage settings resolution for 27, 59, and 81 elements BE1-11*m*: • Added 1A setting range for Full Load Amps and IEC Hot Curve Current settings of 49TC element • Added Thermal Capacity Reset button on Motor Meter screen DGC-2020: • Changed Manual Regeneration setting to use a button instead of a drop-down menu on the ECU Setup screen
2.10.02 June 2011	All Products: • Added the ability to select what data to view/export from the Preview Metering and Export Metering buttons • Added the ability to save workspace • Added the ability to auto reconnect when connection is lost • Added the ability to close multiple views • Enhanced BESTlogic™*Plus* DGC-2020: • Updated to support firmware package version 1.13.04 • Settings for generator protection, battery voltage protection, and configurable protection can now be entered in secondary or per unit values • Added the ability to set IP Address of LSM-2020 through device discovery
2.08.01 October 2010	All Products: • Improved off-page logic BE1-11*f*, BE1-11*g*, BE1-11*i*, BE1-11*m*: • Enhanced IEC 61850 logic inputs and outputs
2.08.00 August 2010	BE1-11*f*, BE1-11*g*, BE1-11*i*: • Under Settings Explorer, moved Display Units from System Parameters to General Settings • Added Recloser, Breaker Status, and 86 Lockout Status to Metering Explorer under Status • Added Edge Triggers to BESTlogic*Plus* (firmware dependent) • Added Logic Labels to BESTlogic*Plus* (firmware dependent) • Added Auto Export Metering function • Added "P" case option on Style Number screen • Implemented IEC 61850 protocol option BE1-11*m*: • Initial release DGC-2020: • Updated to support firmware package version 1.11.00
2.07.03 June 2010	BE1-11*f*, BE1-11*g*, BE1-11*i*: • Added Option 2 to style number for custom builds BE1-11*g*: • Added 40Z targets to binary inputs and DNP binary user map

Publication	Revision		Date	Page
9407300990	X	*Revision History*	02/26	12 of 16

For terms of service relating to this product and software, see the *Commercial Terms of Products and Services* document available at www.basler.com/customer-terms-and-conditions.

Software Version and Date	Change
2.07.01 March 2010	All Products: • Added Windows 7 64-bit compatibility and removed Windows 2000 compatibility • Added Export Metering DGC-2020: • Updated to support firmware package version 1.10.00
2.06.02 January 2010	BE1-11*f*, BE1-11*g*, BE1-11*i*: • Added Upgrade Style Number to the <u>C</u>ommunication pull-down menu IEM-2020: • Initial release
2.06.01 December 2009	All Products: • BESTCOMSPlus shell enhancements • Added Windows 7 32-bit compatibility BE1-11*f*, BE1-11*g*, BE1-11*i*: • Added Edit button to Analog Metering, Energy screen • Added "0 = No Password Expiration" to Days to Expiration setting on User Name Setup screen • Removed USB COM alarm choice from Alarm Settings screen • Improved Inverse Overcurrent settings screens • Improved Table Curve screens for inverse overcurrent elements • Added 25 Hz frequency option under Nominal Settings on the Power System screen DGC-2020: • Added Total Engine Run Time Minutes on Engine and Summary screens in the Metering Explorer
2.05.00 July 2009	BE1-11*f*, BE1-11*g*, BE1-11*i*: • Updated Basler Electric Device Package Uploader screen • Added timing curve graphs for 27 and 59 functions when using inverse timing mode BE1-11*f*: • Added option C) 0.01 - 7.5 Amp (SEF) to Ground CT Option on Style Number screen BE1-11*g*: • Changed 40Q pickup range for 1A CTs from <u>0-6000</u> to <u>0-1200</u> DGC-2020: • Made a correction to announce a message that logic will not be saved if the maximum number of logic gates on any one level has been exceeded • On the Breaker Management, Breaker Hardware screen, changed the Gen and Mains Breaker Closing Time from 0.1-600 in increments of 0.1 to 0-800 in increments of 5 • Corrected Settings Compare error when there are remote outputs or logic control relay outputs in the logic diagram

Publication **9407300990**	Revision **X**	*Revision History*	Date **02/26**	Page **13 of 16**

For terms of service relating to this product and software, see the *Commercial Terms of Products and Services* document available at www.basler.com/customer-terms-and-conditions.

Software Version and Date	Change
2.04.01 May 2009	BE1-11*g*, BE1-11*i:* • Initial release BE1-11*f:* • Added optional fiber optic Ethernet to General Settings, Style Number screen • Added support for password expiration dates • Added Setting Display Modes setting on System Parameters, Sensing Transformers screen • Added user programmable alarms 9-16 on Alarm Configuration, User Programmable Alarms screen • Added curve selection of A1, B1, C1, D1, E3, and F1 for Protection, Current, Inverse Overcurrent • Added a button for Export Metering • Added an option to upload settings and logic at the same time • Added Target Reset Key and Alarm Reset Key to logic • Added Phase Rotation Reversal • Enhanced General Settings, Device Info screen • Improved Alarm Configuration, Alarms screen • Improved Target Configuration, Targets screen
2.03.01 February 2009	BE1-11*f:* • Changed time delay increment from 0.01 to 1 for all 27 and 59 elements DGC-2020: • Added "P" (programmable) curve selection for the 51 function • Improvement to allow spaces in Initializing Message 1 & 2 on General Settings, Front Panel HMI screen in the Settings Explorer • Improved backwards compatibility • Improved Commission Date setting on Run Statistics screen in the Metering Explorer

Software Version and Date	Change
2.03.00 December 2008	DGC-2020: - Added support for CEM-2020H - Added Export to File feature - Added settings for Phase Toggle and Initializing Messages on General Settings, Front Panel HMI screen - Re-arranged CAN bus Setup screen and added ECU Setup screen under Communications - Added settings for 51-3 element under Generator Protection, Current - Added setting for Off Mode Cooldown on System Parameters, System Settings screen - Added Remote Module Setup screen under System Parameters - Added Remote LSM Inputs settings and metering screens under Programmable Inputs - Added settings to Bias Control screens for Var/PF control - Added kvar A, B, C, and Total to Power and Summary metering screens - Re-arranged MTU metering screens - Added MTU Status screen and MTU Engine Status screen - Added BESTlogicPlus Input Objects for Configurable Elements, Configurable Protection, Front Panel Buttons, PF Mode Active, Pre Start Input, and Run Input - Added BESTlogicPlus Pre-Alarms for Checksum Fail and CEM Hardware Mismatch - Added BESTlogicPlus Elements for 51-3, COOLSTOPREQ, COOLDOWNREQ, EXTSTARTDEL, PRESTARTOUT, RUNOUTPUT, STARTDELBYP, and STARTOUTPUT - Added Relay Control settings on System Parameters, System Settings screen
2.02.01 October 2008	BE1-11*f*: Initial release
2.01.00 May 2008	DGC-2020: - Added settings for AEM-2020 - Added settings for Automatic Generator Protection - Added settings for Integrating Reset on 51 function - Added settings for Configurable Protection
2.00.01 March 2008	DGC-2020: Added settings for CEM-2020
1.04.01 November 2007	DGC-2020: Added settings for LSM-2020
1.03.00 August 2007	DGC-2020: - Added/Updated screens to support firmware package version 1.03.00 - Added password protection for portions of the programmable logic - Made all status LEDs available as inputs for PLC logic
1.02.00 May 2007	DGC-2020: - Added Spanish language support - Added Clock Setup screen - Changed layout of several screens
1.01.02 April 2007	DGC-2020: Removed International Modem option from Style Chart

Publication	Revision		Date	Page
9407300990	**X**	*Revision History*	**02/26**	**15 of 16**

For terms of service relating to this product and software, see the *Commercial Terms of Products and Services* document available at www.basler.com/customer-terms-and-conditions.

Software Version and Date	Change
1.01.01 February 2007	DGC-2020: • Added Chinese language support
1.00.07 November 2006	DGC-2020: • Initial release

Publication **9407300990**	Revision **X**	*Revision History*	Date **02/26**	Page **16 of 16**

For terms of service relating to this product and software, see the *Commercial Terms of Products and Services* document available at www.basler.com/customer-terms-and-conditions.