

Introduction

This publication provides a historical summary of the changes made to the application firmware and hardware of the DECS-450 Digital Excitation Control System.

Revision history information for BESTCOMSPPlus[®] software is provided in the *BESTCOMSPPlus Software Revision History* document.

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.

Firmware Revision History

The revision history for DECS-450 application firmware is provided as follows. Revisions are presented in reverse chronological order.

Firmware Version and Date	Change
2.01.00, Jan-26	<ul style="list-style-type: none">• Added Crowbar Active logic status• Added FVR_Only logic element• Added security version reporting• Added system-in-use messaging support• Added NTPv3 compatibility• Added virtual switches to Modbus• Altered auto-synchronizer logic element priority so that open requests take precedence over close requests• Improved pre-position priority of release and maintain modes• Removed Russian language support• Miscellaneous maintenance updates
1.00.04/2.00.04, Mar-23	<ul style="list-style-type: none">• Corrected Device Info Application Version label for current version
1.00.03/2.00.03, Dec-22	<ul style="list-style-type: none">• Expanded NAND flash memory compatibility• Corrected V/Hz alarm behavior while operating in Manual mode and UEL active• Resolved network load sharing issue with redundant DECS-450 controllers• Corrected operation of the generator <10 Hz protection function
1.00.02, Jun-21	<ul style="list-style-type: none">• Improved logic upload and analog functionality at startup
1.00.01, Nov-20	<ul style="list-style-type: none">• Addressed Ethernet link status LED misoperation
1.00.00, Aug-20	<ul style="list-style-type: none">• Initial release

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Hardware Revision History

The revision history for DECS-450 hardware is provided as follows. Revisions are presented in reverse chronological order.

Hardware Version and Date	Change
J, Mar-25	<ul style="list-style-type: none">• Updated the analog circuit board
H, Dec-23	<ul style="list-style-type: none">• Replaced obsolete display
G, Aug-22	<ul style="list-style-type: none">• Replaced obsolete Ethernet controller
F, Aug-21	<ul style="list-style-type: none">• Updated the analog circuit board
E, Jul-21	<ul style="list-style-type: none">• Changed finish of sheet metal parts to textured powder coating
D, Jun-21	<ul style="list-style-type: none">• Release of firmware version 1.00.02
C, Dec-20	<ul style="list-style-type: none">• Released DECS-450/400 transition plate
B, Dec-20	<ul style="list-style-type: none">• Added screws to the internal D-Sub cable connection points at the digital board
A, Aug-20	<ul style="list-style-type: none">• Initial release

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