Eaton® PDI WaveStar Color BCMS Plus+

Production Firmware History

Powering Business Worldwide

p/n: P-164001149
Revision 01

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Eaton PDI WaveStar Color BCMS Plus+ Production Firmware History

Description

This document is intended for end-user informational purposes. It describes the changes between revision levels of the Eaton PDI WaveStar Color BCMS Plus+ Board firmware used in the Eaton PDI WaveStar Color Monitoring System product line. This document will be changing periodically and reposted on www.Eaton.com to reflect new production level firmware changes. In all cases, the changes, enhancements, fixes, and new features listed under a given production release are automatically transferred into the next production release.

There are three different versions of software for the board mentioned in this document. Each version has a Main and Current software that go in different chips.

1. Current Only (aka. Normal Ver 6)
2. Power KWH (Ver 13)
3. Enhanced Subfeed (Ver 12)

Current Only (aka. Normal Version 6)

Main Software

Revision 6.31.3 (Released March 2023)

Fixes

- Optimized modbus code to prevent comm loss alarms on the display.

Revision 6.31.2 (Released March 2022)

Fixes

- Calibration of panel, total and subdistribution current

Revision 6.31.1 (Initial Released February 2022)

Changes and Enhancements

- This software was based on the BCMS software version Main 6.31
- Converted code to new microprocessor
- Recalculated values based on new clock speed
- Added variables to support two panels in one chip

Current Software

Revision 6.12.3 (Released January 2023)

Changes and Enhancements

- Frequency calculation method
- Removed sampling startup from crossover
- Adjusted frequency constant

Fixes

- Frequency startup function

Revision 6.12.2 (Released March 2022)

Fixes

- EEprom write location for current calibration

Revision 6.12.1 (Initial Released February 2022)

Changes and Enhancements

- This software was based on the BCMS software version Current 6.12
- Converted code to new microprocessor
- Recalculated values based on new clock speed
- Added variables to support two panels in one chip

Power KWH (Version 13)

Main Software

Revision 13.22.6 (Released March 2023)

Fixes

- Optimized modbus code to prevent comm loss alarms on the display.

Revision 13.22.5 (Released April 2022)

Fixes

- Optimized modbus code to prevent comm loss alarms on the display.

Revision 13.22.4 (Released April 2022)

Changes and Enhancements

- Frequency calculation method
- Removed sampling startup from crossover
- Adjusted frequency constant

Revision 13.22.4 (Released April 2022)

Fixes

- Frequency startup function.

Revision 13.22.3 (Released March 2022)

Changes and Enhancements

- Checksum to 32 bits

Fixes

- Checksum for panel 2
- EEprom write for settings
- EEprom write for OV/UV

Revision 13.22.2 (Released March 2022)

Fixes

- EEprom write for breaker size

Revision 13.22.1 (Initial Released February 2022)

Changes and Enhancements

- This software was based on the BCMS software version Main 13.22
- Converted code to new microprocessor
- Recalculated values based on new clock speed
- Added variables to support two panels in one chip

Current Software

Revision 13.13.4 (Released January 2023)

Changes and Enhancements

- Frequency calculation method
- Removed sampling startup from crossover
- Adjusted frequency constant

Fixes

- Frequency startup function.

Revision 13.13.3 (Released April 2022)

Fixes

- Frequency when one voltage not present

Revision 13.13.2 (Released April 2022)

Fixes

- EEprom write location for current calibration

Revision 13.13.1 (Initial Released February 2022)

Changes and Enhancements

- This software was based on the BCMS software version Current 13.13
- Converted code to new microprocessor
- Recalculated values based on new clock speed
- Added variables to support two panels in one chip

Enhanced Subfeed (Version 12)

Main Software

Revision 12.13.3 (Released March 2023)

Fixes

- Optimized modbus code to prevent comm loss alarms on the display.

Revision 12.13.2 (Released March 2022)

Changes and Enhancements

- Checksum to 32 bits

Fixes

- Checksum for panel 2
- EEprom write for settings

Revision 12.13.1 (Initial Release March 2022)

Changes and Enhancements

- This software was based on the BCMS software version Main 12.13
- Converted code to new microprocessor
- Recalculated values based on new clock speed
- Added variables to support two panels in one chip

Current Software

Revision 13.13.4 (Released January 2023)

Changes and Enhancements

- Frequency calculation method
- Removed sampling startup from crossover
- Adjusted frequency constant

Fixes

- Frequency startup function

Revision 13.13.3 (Released April 2022)

Fixes

- Frequency when one voltage not present

Revision 13.13.2 (Released March 2022)

Fixes

- Removed extra PF decimal

Revision 13.13.1 (Initial Release March 2022)

Changes and Enhancements

- This software was based on the BCMS software version Current 13.13
- Converted code to new microprocessor
- Recalculated values based on new clock speed
- Added variables to support two panels in one chip

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