



Firmware/Software Release Note

Date: **August 2024**

Distribution: **Public**

Reference: **GER-4971**

Multilin Agile * Firmware

Software Version 08B - August 2024

Key New Features

Platform

- Advanced cybersecurity options complying with NERC-CIP/IEC 62351 standards.
- 61850-control authority feature - OrCAT- Local/remote control feature (described in IEC 61850 7-4: Annex B).
- Trip Bus supervision functionality included.

P14D, P14N, P94V- Compact Feeder Protection and Bay Controller

- Added support for HIF downed conductor function.

P24D/N- Motor Protection Series

- Support new ordering code options for Motor protection and control.

Other New Features

Platform

- Support of new languages: German and Polish.
- Increased number of Virtual outputs supported up to 256.
- Increased number of Virtual Inputs supported up to 256.
- Increased number of Timers up to 64.
- Increased number of Flexelements up to 16.

Feeder

- New Binary Input/Output options supporting ring terminals: Cortec digit - 8, new options - P or R.

Notable Quality Improvements

- Fixed an issue that caused Pos Seq UV 1 and Pos Seq UV 2 texts to be displayed incorrectly in drop-down lists.
- Fixed an issue that prevented Eth 1 link status error alarm from being reset when Eth 1 was enabled.



- Fixed an issue that prevented IN calculation being done properly when no current flowing through phase A.
- Fixed issue that caused Breaker Failure operation and re-trip indication from being unavailable in Last Trip or HMI.
- Fixed issue that caused some texts (Switchgear references and Current summary) in EnerVista D&I Setup/HMI from not displaying properly.
- Fixed issue that caused Breaker status operand - CB Not configured - from being unavailable in the Target messages and Flex Operand list.
- Fixed issue that caused Min Power Demand miscalculation when device is Powered Off, and also Min Power Demand calculation is not blocked when injection $< 0.02 \times CT$.
- Fixed issue that prevented Default Screens\Display Time setting from displaying in 20TE.
- Fixed issue that caused SEF IOC drop out at $0,5 \times CT$ not happening in defined range.
- Fixed issue that caused PTOC to operate incorrectly when using User Curve configured as FR ST Inverse.

Hardware Compatibility

- Design Suffix “E”.

Configuration Management Tool Compatibility

- Compatible with D&I EnerVista Setup v4.15 and newer.

Upgrade Procedure

- Follow the process outlined in the Instruction Manual.

Upgrade Impact

- Firmware v08B compatible with v06B, v06A, v05C, v05B, v05A, ~~v03C, v03B, v03A and v02C~~.
- When updating the firmware, files are overwritten, and all settings could be lost.
- Always save all data before upgrading.
- Configuration of the CID file is required to be created or converted from the previous version using:
 - D&I EnerVista Setup v4.15 or newer.

Software Version 06B - May 2024

Notable Quality Improvements

- Fixed an issue that prevented the CT Supervision feature from operating properly in non-VT models.
- Fixed an issue that prevented Directionality from calculating properly in Sensitive Ground models when multiple instances are being used simultaneously.
- Fixed an issue that prevented Phase Over Voltage protection from properly applying time delay, when operated for a second time.

Hardware Compatibility

- Design Suffix "E".

Configuration Management Tool Compatibility

- Compatible with D&I EnerVista Setup v4.12 and newer.

Upgrade Procedure

- Follow the process outlined in the Instruction Manual.

Upgrade Impact

- Firmware v06B compatible with v06A, v05C, v05B and v05A.
- When updating the firmware, files are overwritten, and all settings could be lost.
- Always save all data before upgrading.
- Configuration of the CID file is required to be created or converted from the previous version using:
 - D&I EnerVista Setup v4.12 or newer.

Software Version 06A - February 2024

Key New Features

- Added support for Moving Average Voltage Protection for Phase Overvoltage.

Other New Features

- Added Volt/Hertz feature in P94VB model.
- Added Minimum Time setting for ANSI 51 elements.
- Added Reactive and Apparent Power Demand Metering to IEC 61850 MMTR_3 Logical Node.

Notable Quality Improvements

- Fixed an issue that IEC 61850 communication stopped if no client data request sent for a long period.
- Fixed an issue that caused CB Arcing current to be calculated incorrectly.
- Fixed specific texts in English US language for VT inputs menu, and in Spanish language for Voltage Disturbance and Admittance Protection menus.
- Fixed an issue that caused CB Trip/Close command to be incorrectly executed after reboot.
- Fixed an issue in RS485 port settings that caused the device to operate incorrectly after sending CID settings.
- Removed Synch Check setting for UF Restoration element in P94VB models.
- Added missing Neutral OV1 PKP and OP flexoperands.
- Added missing Fault Locator elements in IEC 61850 Logical Node for P14DZ models.
- Added missing Ethernet Link Error flexoperands.
- Added missing Minimum Power Demand calculation.

Hardware Compatibility

- Design Suffix "E".

Configuration Management Tool Compatibility

- Compatible with D&I EnerVista Setup v4.12 and newer.

Upgrade Procedure

- Follow the process outlined in the Instruction Manual.

Upgrade Impact

- Firmware v06A compatible with v05C, v05B and v05A.
- When updating the firmware, files are overwritten, and all settings could be lost.
- Always save all data before upgrading.
- Configuration of the CID file is required to be created or converted from previous version using:
 - D&I EnerVista Setup v4.12 or newer.

Software Version 05C - December 2023

Key New Features

N/A

Other New Features

N/A

Notable Quality Improvements

- Fixed an issue that made devices with comms digit (digit 9 of the CORTEC) equal to “2” reboot constantly.
- Fixed an issue in the firmware upgrade that changed the device CORTEC into the default one after flashing.
- Fixed an issue in the HMI that made the status screen of the I/Os show an incorrect number of Input/Outputs, as well as incorrect board and pin names.

Hardware Compatibility

- Design Suffix “E”.

Configuration Management Tool Compatibility

- Compatible with EnerVista D&I version v4.10 and newer.

Upgrade Procedure

- Follow the process outlined in the Instruction Manual.

Upgrade Impact

- Firmware v05C compatible with v05B and v05A.
- When updating the firmware, files are overwritten, and all settings could be lost.
- Always save all data before upgrading.
- Configuration of the CID file is required to be created using D&I EnerVista Setup 4.10 or newer.

Software Version 05B - November 2023

Key New Features

N/A

Other New Features

N/A

Notable Quality Improvements

- Fixed an issue in the PSL that didn't properly load any of the Minor Error signals.
- Fixed an issue in the RS485 2nd port that stopped communicating properly after rebooting the device.
- Fixed an issue in PTP_1588 due to which the RTC was not updating after a change in the PTP master clock's date/time.

Hardware Compatibility

- Design Suffix "E".

Configuration Management Tool Compatibility

- Compatible with EnerVista D&I version v4.10 and newer.

Upgrade Procedure

- Follow the process outlined in the Instruction Manual.

Upgrade Impact

- Firmware v05B compatible with v05A.
- When updating the firmware, files are overwritten, and all settings could be lost.
- Always save all data before upgrading.
- Configuration of the CID file is required to be created using D&I EnerVista Setup 4.10 or newer.

For Further Assistance

For questions or further product support, please contact the GE Vernova support team using:

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