

GE
Grid Solutions

Multilin 8 Series Protection and Control Relay Platform
8 Series Firmware Version 4.03

Release Notes

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Summary

GE Grid Solutions releases 8 Series Firmware Version 4.03 for Multilin 859 Protection Relays. Highlights of this release include the following:

Multilin 8 Series Firmware Version 4.03

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- Broken Rotor Bar
- Starter Failure Alarm
- Adjusted Self-test target messages
- RS485 Communications

Release Date: Sept 6, 2023

- Upgrade the firmware to version 4.03 by downloading the file directly from GE website: [859 Motor Protection System](#)
- The latest EnerVista 8 Series Setup software is available at the same location. The software supports Windows 7, 8.1, and 10.

Note: Please contact your local Multilin sales representative or Multilin Customer Service Department for any questions regarding this upgrade.

Release details

In the following release descriptions, a revision category letter is placed to the left of the description. See the Appendix at the end of this document for a description of the categories displayed.

Firmware version 4.03

859

- M** **Broken Rotor Bar**
Corrected Broken Rotor Bar implementation to correctly measure when the VT configuration is set to Delta.

- E** **Starter Failure Alarm**
Enhanced Starter Failure Alarm logic to allow proper function when Contactor status is not wired to the 859 input, using motor current instead.

- D** **Adjusted Self-test target messages implementation**
Modified self-test target messages behavior from clearing when Reset key was pressed or Reset command was send, while the self-test condition was still active. On previous FW versions, Reset would clear the self-test messages despite the condition being active leaving the alarm LED flashing without a target message.

- C** **RS485 Communications**
Changed how RS485 communications is handled by the processor during boot-up, to avoid disrupting RS485 network.

Appendix

Change categories

This document uses the following categories to classify the changes.

Table 1: Revision Categories

Code	Category	Comments
N	New feature	A separate feature added to the relay. Changes to existing features even if they significantly expand the functionality are not in this category
G	Change	A neutral change that does not bring any new value and is not correcting any known problem
E	Enhancement	Modification of an existing feature bringing extra value to the application
D	Changed, incomplete or false faceplate indications	Changes to, or problems with text messages, LEDs and user pushbuttons
R	Changed, incomplete or false relay records	Changes to, or problems with relay records (oscillography, demand, fault reports, etc.)
C	Protocols and communications	Changes to, or problems with protocols or communication features
M	Metering	Metering out of specification or other metering problems
P	Protection out of specification	Protection operates correctly but does not meet published specifications (example: delayed trip)
U	Unavailability of protection	Protection not available in a self-demonstrating way so that corrective actions could be taken immediately
H	Hidden failure to trip	Protection may not operate when it should
F	False trip	Protection may operate when it should not
B	Unexpected restart	Relay restarts unexpectedly

For further assistance

For product support, contact the information and call center as follows:

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