

GE  
Grid Solutions

# Multilin 8 Series Protection and Control Relay Platform 8 Series Firmware Version 3.01

## Release Notes

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## Summary

GE Grid Solutions releases the 8 Series Firmware Version 3.01 for the Multilin 8 Series Protection Relays. Highlights of this release include the following:

### Multilin 8 Series Firmware Version 3.01

#### Platform

- IEC61850 - MMS Dataset updated to use UTC time
- IEC61850 - Enhanced buffered reports
- IEC61850 - Enhanced Report availability after disconnection
- Enhanced relays' ability to handle events storm
- Modbus User map
- Slot I/O Error self-test diagnostic message logic
- Annunciator Panel
- Single Line Diagram (SLD) objects

### Release Date: Feb 16, 2024

- Multilin 8 Series firmware versions 1.2x and below cannot be upgraded to firmware version 1.3x and above. Please contact us to upgrade the product.
- Multilin 8 Series firmware versions 3.x and below cannot be upgraded to firmware version 4.x. Please contact us to upgrade the product.
- Upgrade the firmware to version 3.01 by downloading the file directly from GE website: [850 Feeder Protection System](#)
- The latest EnerVista 8 Series Setup software is available at the same location. The software supports Windows 7, 8.1, 10 and 11.

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

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## 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 3.01

#### Platform

- C IEC61850 - MMS Dataset updated to use UTC time  
Updated IEC61850 MMS Dataset to use UTC time stamp for MMS instead of local time.
- C IEC61850 - Enhanced buffered reports  
Enhanced relay's ability to handle very high event generation incidents, which were impacting relay's ability to publish IEC61850 buffered reports.
- C IEC61850 - Enhanced Report availability after disconnection  
Report enhancement to improve time it takes for the reports to be available after disconnection.
- R Enhanced relays' ability to handle events storm  
Enhanced relays' ability to handle events storm of more than 200 events in less than 6 msec
- C Modbus User map  
Reading from unconfigured user map address will now return a zero value.
- C Slot I/O Error self-test diagnostic message logic  
Slot I/O error mechanism was changed to allow for self-recovery from transient events that disrupt communications between RTD and CPU modules. This enhancement works in conjunction with latest firmware revision v1.09 of the RTD module.
- D Annunciator Panel  
Annunciator logic corrected to activate when there is any trip or alarm.
- D Single Line Diagram (SLD) objects  
Relay will now ignore any SLD objects placed within Status Bar area of the screen.

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## Appendix

### Change categories

This document uses the following categories to classify the changes.

**Table 1: Revision Categories**

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

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## For further assistance

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

GE Grid Solutions  
650 Markland Street  
Markham, Ontario  
Canada L6C 0M1  
Worldwide telephone: +1 905 927 7070  
Europe/Middle East/Africa telephone: +34 94 485 88 54  
North America toll-free: 1 800 547 8629  
Fax: +1 905 927 5098  
Worldwide e-mail: [multilin.tech@ge.com](mailto:multilin.tech@ge.com)  
Europe e-mail: [multilin.tech.euro@ge.com](mailto:multilin.tech.euro@ge.com)  
Website: <http://www.gegridsolutions.com/multilin/>