Overview

Summary

GE Digital Energy releases 8 Series Firmware/Software version 1.40 for the Multilin 8 series Protection Relays. Highlights of this release include the following:

Multilin 8 series Firmware/Software Version 1.40:

- Enhanced HMI with support for Single Line Drawings
- Flex states, Flexelements™ added
- RTD support for 850
- Stand-alone 61850 option

Release Date: June 5th, 2015

Previous FW versions 1.2x and below of Multilin 8 series cannot be upgraded to the new FW version 1.40. Please contact factory if you need to do this.

Firmware upgrading from V1.40 can be done by downloading directly from our website:
Multilin 8 series:  www.GEDigitalEnergy.com\multilin\software\8series.htm

The latest Enervista software is also available at our website:
Multilin 8 series:  www.GEDigitalEnergy.com\multilin\software\8series.htm

Please contact your local Multilin sales representative or Multilin Customer Service Department (CST) 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. Refer to the Appendix at the end of this document for a description of the categories displayed.

Multilin 8 series Protection System – Firmware version 1.40 Release Details:

E  Enhanced HMI with support for Single Line Drawings
   SLD now available on the HMI with support for up to 3 devices

E  Flex states, Flexelements™
   Flex elements with support for building logic with Engineer added

N  RTD support on 850
   RTD option is now available across the platform. A maximum of 2 RTD slots are supported

G  IEC 61850 option
   Communication option 2A added to include IEC 61850 stand-alone
Appendix

Change categories

This document uses the following categories to classify the changes.

**Table 1: Revision categories**

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

The revision category letter is placed to the left of the change description.

**Multilin technical support**

GE Digital Energy - Multilin contact information and call center for product support is shown below:

GE Digital Energy
650 Markland Street
Markham, Ontario
Canada  L6C 0M1

Telephone: **905-927-7070** or 1-800-547-8629 (North America), +34 94 485 88 00 (Europe)
Fax **905-927-5098** (North America), +34 94 485 88 45 (Europe)

E-mail: multilin.tech@ge.com