



UR Universal Relay series Revision 4.02 release note

GE Publication Number: GER-4020

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Overview

Summary

- Affected products: UR Universal Relay series
- Date of release: April 21, 2004
- Firmware revision: 4.02
- Boot code revision: 3.01

Release summary

This document contains the release notes for the 4.02 release of the UR Universal Relay series. The following relay models are covered by this note:

- B30 Bus Differential Relay
- B90 Bus Differential Relay
- C30 Controller
- C60 Breaker Management Relay
- D30 Line Distance Relay
- D60 Line Distance Relay
- F35 Multiple Feeder Management Relay
- F60 Feeder Management Relay
- G60 Generator Management Relay
- L90 Line Differential Relay
- M60 Motor Relay
- N60 Network Stability and Security Relay
- T35 Transformer Management Relay
- T60 Transformer Management Relay

New features and modifications to existing features listed in the following section with corresponding revision categories and reference numbers. A change list for the Instruction Manuals is also included.

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

The code letter is placed to the left of the description. An internal GE reference number is placed to the right of the description. This number may be used to reference the modification when contacting GE Multilin.

GE Multilin technical support

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

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Release details

Modified features

- C** **Communications: COM1 RS485 Serial Port Failure** 11908
- An error introduced in release 4.01 causes the COM1 RS485 communications port to be inoperative with type 9E CPU modules. This is not an issue with any other type of CPU module as the COM1 RS485 port is only available on type 9E. This issue has been fixed in release 4.02.
- G** **Communications: new modules "2A" and "2B" are supported for Direct Inputs/Outputs** 11658
- The UR-series relays now support communication card types "2A" and "2B" for use with the Direct Inputs/Outputs feature.
- C** **Communications: serial communication slowdown when storing device files** 11666
- Occasionally, communication errors would occur when loading a device settings file to a UR-series relay via the front panel serial interface using the enerVista UR Setup software. This results in communication retries, causing the load time for these files to be longer than expected. The 4.02 release has been modified to fix this issue.
- G** **Internal Enhancement: CT/VT module calibration offset range change** 11438
- An internal calibration parameter range in the CT/VT module has been modified. This change is transparent to the user.
- G** **Internal Enhancement: factory service diagnostic changes** 11697
- An internal diagnostic parameter in the Factory Service area has been modified. This change is transparent to the user.
- U, H** **Internal Enhancement: settings data storage error** 11599
- An error introduced in version 4.00 may cause some settings to not be saved in non-volatile memory. Symptoms of this error include a setting reverting to its default value after cycling control power to the relay, and "System Exception" self test errors on power up. This issue has been fixed in release 4.02.