GE Digital Energy

DGCM Low Voltage Monitoring Device

Firmware Version 4.02

Release Notes

Overview

Summary

GE Digital Energy releases Firmware version 4.02 for the DGCM Low Voltage monitoring device. This firmware is specific to the DGCM and does not affect other devices within this product platform. Highlights of this release include the following:

DGCM Low Voltage Monitoring Device:

- Firmware upgrade operation using TFTP by 3G improved.
- Ethernet stack improved.
- Management of UART port in modem improved.

Release Date: September, 18th 2014

Upgrading from a previous version of the DGCM firmware to the new 4.02 firmware can be done via EnerVista Setup application.

NOTE: Bootcode upgrade is necessary before upgrading firmware to 4.02 version from 3.00 version

Please contact your local GE sales representative or 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.

DGCM Low Voltage Monitoring Device - Firmware version 4.02 Release Details:

C   **Firmware upgrade operation using TFTP by 3G improved.**

TFTP firmware uploading process has been improved. Telit HE910 Modem handles larger messages due to CMUX change implemented.

Firmware revision control has been implemented. From this released firmware version, settings will be restored to default values except Communications settings.

C   **Ethernet stack improved.**

Ethernet stack has been reconfigured to provide improved socket management. Extra information has been added into modem log file.

C   **Management of UART port in modem improved.**

New procedure has been implemented to recover DGCM from a situation with a complete loss of communications.

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

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:

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