

Enerlin'X IFM Modbus-SL Interface for One Circuit Breaker

IFM Firmware Release Notes (TRV00210/STRV00210)

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Introduction

IFM Modbus-SL Interface for One Circuit Breaker

The IFM Modbus-SL interface for one circuit breaker (IFM interface) enables an intelligent modular unit (IMU) containing a circuit breaker equipped with a communicating MicroLogic trip unit to be connected to a two-wire Modbus-SL RS-485 serial line Modbus network.

Each circuit breaker has its own IFM interface and a corresponding Modbus address.

The IFM interface with part number TRV00210 or STRV00210 is compatible with the following ranges of circuit breaker:

- MasterPact NT/NW circuit breakers
- ComPact NS circuit breakers
- ComPact NSX circuit breakers
- PowerPact P- and R-frame circuit breakers
- PowerPact H-, J-, and L- frame circuit breakers

IFM Interface Firmware Release History

The following table indicates the availability of each firmware version:

Date	Firmware version	Availability
April 2020	002.002.016	Released through EcoStruxure Power Commission software
March 2019	002.002.014	Released through EcoStruxure Power Commission software to specific customers
November 2016	002.002.011	Obsolete

Firmware Update Policy

Firmware update is recommended to benefit from the latest features and potential bug fixes. Do not update the firmware to the latest version, if the latest features are not required for your application and no bug fixes are provided.

Use this release note to determine whether an update to the latest version of the IFM firmware is relevant for your application.

For more information about the firmware update policy and the firmware compatibility between devices, refer to [DOCA0155EN MicroLogic Trip and Control Units - Firmware History](#).

Firmware Update with EcoStruxure Power Commission Software

EcoStruxure™ Power Commission is the new name of Ecoeach software.

Use the latest version of EcoStruxure Power Commission software to:

- Check the firmware compatibility of the devices in the IMU
- Update the devices with the latest firmware version available

After updating the firmware of one device, use EcoStruxure Power Commission software to check the firmware compatibility between IMU devices.

The Firmware Update table helps the user to diagnose and identify all discrepancy issues between IMU devices. This table also provides the recommended actions for each discrepancy issue.

The latest version of EcoStruxure Power Commission software is available at www.se.com.

For more information on the use of EcoStruxure Power Commission software, refer to *EcoStruxure Power Commission Online Help*.

Firmware Versions

Firmware Version 002.002.016

New Features

- Integrated the retry mechanism for optimizing the data continuity of service (automatic bus resynchronisation and automatic disconnection with device as it is silent for more than one minute).

Firmware Version 002.002.014

New Features

- Improved the IFM internal handling mechanism in case of critical failures (automatic recovery).

Related Documents

Related Documents for IEC Devices

The following table lists documents valid for IEC devices that are compatible with an IFM interface with the latest firmware version:

Title of documentation	Publication date	Reference number
<i>ULP System (IEC Standard) - User Guide</i>	03/2019	<u>DOCA0093EN-04</u> <u>DOCA0093ES-04</u> <u>DOCA0093FR-04</u> <u>DOCA0093ZH-04</u>
<i>MasterPact NT/NW, ComPact NS - Modbus Communication Guide</i>	12/2019	<u>DOCA0054EN-08</u> <u>DOCA0054ES-08</u> <u>DOCA0054FR-08</u> <u>DOCA0054ZH-08</u>
<i>ComPact NSX - Modbus Communication Guide</i>	12/2019	<u>DOCA0091EN-07</u> <u>DOCA0091ES-07</u> <u>DOCA0091FR-07</u> <u>DOCA0091ZH-07</u>

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Related Documents for UL/ANSI Devices

The following table lists documents valid for UL/ANSI devices that are compatible with an IFM interface with the latest firmware version:

Title of documentation	Publication date	Reference number
<i>ULP System (UL Standard) - User Guide</i>	03/2019	<u>0602IB1503-02 (EN)</u> <u>0602IB1504-02 (ES)</u> <u>0602IB1505-02 (FR)</u> <u>0602IB1506-02 (ZH)</u>
<i>MasterPact NT/NW, PowerPact P-, and R-Frame - Modbus Communication Guide</i>	12/2019	<u>0611IB1313-07 (EN)</u> <u>0611IB1314-07 (ES)</u> <u>0611IB1315-07 (FR)</u> <u>0611IB1316-07 (ZH)</u>
<i>PowerPact H-, J-, and L- Frame Circuit Breakers - Modbus Communication Guide</i>	12/2019	<u>0611IB1302-06 (EN)</u> <u>0611IB1303-06 (ES)</u> <u>0611IB1304-06 (FR)</u> <u>0611IB1305-06 (ZH)</u>

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