

Enerlin'X

FDM121 Front Display Module for One Circuit Breaker

Firmware Release Notes

DOCA0150EN-04
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Table of Contents

Introduction	5
FDM121 Front Display Module for One Circuit Breaker	5
Firmware Release History	5
Firmware Update Policy	5
Firmware Update with EcoStruxure Power Commission Software	6
Firmware Versions	7
Firmware Version 003.000.025	7
Firmware Version 003.000.023	7
Firmware Version 003.000.022	7
Firmware Version 003.000.016	7
Firmware Version 003.000.013	8
Related Documents	9

Introduction

FDM121 Front Display Module for One Circuit Breaker

The FDM121 display shows the measurements, alarms, and operating assistance data from the intelligent modular unit (IMU). The FDM121 display can control a circuit breaker that is equipped with a motor mechanism or with the pre-defined application performed by the IO module.

The FDM121 display with part number TRV00121 or STRV00121 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

Firmware Release History

Date	Firmware version	Availability
December 2020	003.000.025	Release for manufacturing
August 2019	003.000.023	Obsolete
March 2019	003.000.022	Obsolete
June 2018	003.000.016	Obsolete
January 2018	003.000.013	Obsolete

NOTE: FDM121 firmware versions 003.000.013 or greater are compatible with FDM121 hardware with date code WX18141 or greater. Hardware with date code lower than WX18141 cannot be updated with firmware versions 003.000.013 or greater.

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 confirm if an update to the latest version of the FDM121 firmware is relevant to your application.

For more information on 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

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 003.000.025

Bugs Fixed

- ComPact NSX breaker operation was not always possible after power restoration.
- On the ground fault event, the current value **I_g** was not displayed as **NA** in **Alarm History** screen.

Firmware Version 003.000.023

NOTE: Release for manufacturing of firmware version 003.000.022.

Firmware Version 003.000.022

NOTE: The firmware version 003.000.022 is released through EcoStruxure Power Commission (EPC) software.

New Features

- Minor improvements in bar and dial graph screens.

Bugs Fixed

- Values were randomly not displayed in **Quick View** and **Metering** screens on change of Breaker System type or Breaker.
- **Product ID** screen showed inconsistent pictures for ULP devices.
- **IO Lighting** and **Load control** ON/OFF status was inconsistent with actual status.
- Event pop-up was inconsistently displayed when user was in **Quick View** screen on power on.
- **Close Self Timer** screen did not stop timer countdown on occurrence of an event.

Firmware Version 003.000.016

Bugs Fixed

- Size of Chinese characters displayed on the screen was not consistent.

Firmware Version 003.000.013

New Features

- All 14 languages supported by default.
- Improvement of the performance of the metering screen for reading values and navigation.
- Added QR code display to access information about the FDM121 display.
- Added new signature revocation mechanism to enhance cybersecurity.

Related Documents

The following table lists the documents that are compatible with a FDM121 display with the latest firmware version:

Title of documentation	Publication date	Reference number
<i>Enerlin'X FDM121 Front Display Module for One Circuit Breaker – User Guide</i>	04/2018	DOCA0088EN-01 DOCA0088ES-01 DOCA0088FR-01 DOCA0088ZH-01
<i>ULP System (IEC Standard) – User Guide</i>	03/2019	DOCA0093EN-04 DOCA0093ES-04 DOCA0093FR-04 DOCA0093ZH-04
<i>ULP System (UL Standard) – User Guide</i>	03/2019	0602IB1503-02 (EN) 0602IB1504-02 (ES) 0602IB1505-02 (FR) 0602IB1506-02 (ZH)

You can download these technical publications and other technical information from the website at <https://www.se.com/en/download>.

If the document with the revision index is not available on our website, contact your Customer Care Centre to obtain it from the documentation repository.

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