F-PRO295

Firmware v1.5

Release Description

DATE: 2019-07-18

FEATURE ENHANCEMENTS

- Cyber Security :
    - Added support for service access over Ethernet communication.
- General :
    - Added support for DNP3.0 protocol.
    - Added support for LCD back-light time out after the event popup.
    - Added support for IRIG-B & Daylight Saving Time settings in LCD-HMI.

CORRECTIONS TO ISSUES ENHANCEMENTS

- Cyber Security :
    - None.
- General :
    - **Critical :** Fixed issue where relay hangs while recording after a period of time.
    - **Critical :** Improved syslog file logging after exception is thrown.
    - **Major :** Fixed issue in LCD/HMI where wrong time was displayed when set to Local Time with Daylight Saving Time.
    - **Major :** Fixed issue in IEC61850 where after a relay power cycle, the last fault information is not available in MMS client.
    - **Minor :** Fixed issue in IEC61850 where 59IT-2 General Pickup updates for 59IT-1 instead of 59IT-2.

COMPATIBILITY:

F-PRO 2000 Offliner Settings Software:	v2.6 or above
Relay Control Panel Software:	v2.9 or above
RecordGraph Software:	v5.4a or above
ERL 61850 IED Configurator:	v2.2 or above
ICD File Version:	v3.1 Rev 1

Minor releases, designated with a letter suffix (e.g. v3.1a), maintain the same compatibility as the base version (e.g. v3.1=v3.1a).

REVISION HISTORY

v1.4 – 2018-05-16

- **Enhancement:** Implemented SNTP time synchronization.
- **Enhancement:** Implemented single phase LED configuration
- **Enhancement:** Implemented single phase DO configuration
- **Critical:** Fixed issue in 24IT TMS setting for inverse curve.
- **Critical:** Fixed issue in 24 function operation in ph-ph setting.
- **Major:** Fixed issue in wrong V/F value in metering.
- **Major:** Added user defined curve setting in 24IT function
- **Major:** Fixed issue in Interfacing Time sync status to IEC61850 TimeQuality tag.
- **Major:** Fixed issue in Interfacing 79 IN not updating RCP metering..
- **Major:** Fixed issue with Implementation of IRIG-B and SNTP indication to Modbus and IEC103.
- **Major:** Fixed issue in 64/50 & 64/51 SEF FWD & REV not pickedup for values less than 40 mA
- **Major:** Fixed issue in time goes back and forth when SNTP is disabled.
- **Major :** Added configurable minimum voltage threshold
- **Major:** Enhancement to display of "Rebooting" text in LCD-HMI after IP change.
- **Major:** Added time sync LED configuration in LED matrix.
- **Major:** Enhancement on Backing up and Restoring the Setting files.
- **Major:** LCD HMI - Date & Time is made non-editable when SNTP / IRIG-B is present.
- **Major:** Fixed issue in IEC61850- after relay power cycle, last fault information is not available in MMS client.
- **Major:** Fixed issue in 27mHz error at 50Hz in metering.
- **Minor:** Fixed issue for text capitalization of first letter in menu caption.
- **Minor:** Provided time sync indication in LCD-HMI
- **Minor:** Added few other time settings in LCD-HMI as RCP.
- **Minor:** Provided display of 'Booting' message at start up of the relay.
- **Minor:** Fixed issue in LCD-HMI communication port number as relay connection.
- **Minor:** Fixed issue in LCD HMI parameter update to change in frequency.
- **Minor:** Fixed issue in RecordGraph for SNTP time sync status.
- **Minor:** Naming corrected from ANSI to IEEE in 24IT curve function.

Customer Support Contact Information

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CLASSIFICATION OF CHANGES MADE

The issues fixed in software / firmware upgrades are classified as defined below. While the decision to upgrade installed products is the user's, these classifications provide a guideline for the need and priority of the upgrade.

Critical: Critical changes fix issues/problems that prevent the basic operation of the device and have no workaround. Critical changes merit a product upgrade as soon as possible, if that function is being used under the conditions causing the issue.

Major: Major changes fix problems that prevent the basic operation of the device but do have a workaround. Any major changes merit a product upgrade as soon as possible if the function is being used under the conditions causing the issue and a workaround is not acceptable.

Minor: Minor changes fix non vital issues that do not prevent the basic operation of the device and may or may not have a workaround. Product upgrades for such changes are not necessary unless they apply to and are needed by the user.

Feature Enhancement: Feature enhancements add a capability or extend existing capabilities of the product. Upgrades for such changes need be made only if and when that feature enhancement is desired**.**

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