F-PRO216

Firmware v1.4

Release Description

DATE: 2019-07-17

FEATURE ENHANCEMENTS

- Cyber Security :
    - None.
- General :
    - Added support for DNP3.0 protocol.
    - Added support for IRIG-B & Daylight Saving Time settings in LCD-HMI.

CORRECTIONS TO ISSUES

- Cyber Security :
    - None.
- General :

    - **Critical :** Improved syslog file logging after exception is thrown.
    - **Critical :** Fixed issue with the 'DO' drop out timer, the 'DO' reset was not considering the timer setting and was dropping out instantly after the fault was cleared.
    - **Major :** Fixed issue in LCD/HMI where wrong time was displayed when set to Local Time with Daylight Saving Time.

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

v1.3 – 2017-08-02

- **Enhancement:** Updated ICD, CID and CFG files from v3.0 to v3..1
- **Enhancement:** Added support to display SNTP sync status in RecordGraph.
- **Enhancement:** Added support for service access facility over Ethernet communication.
- **Enhancement:** Added support for LCD Back-light time out after the event popup.
- **Major:** Fixed issue in relay address range for Modbus.
- **Major**: Fixed issue in IG and ISEF primary value shown in RecordGraph.
- **Major:** Fixed issue in DO and LED configuration of 50G/67G and 51G/67G functions.
- **Minor:** Fixed Issue in updating of active setting group dataset in IEC61850.
- **Minor**: Fixed issue in ISEF fault current shown in LCD.

v1.2 – 2017-12-28

- **Enhancement:** Implemented SNTP time synchronization.
- **Enhancement:** Implemented single phase LED configuration
- **Enhancement:** Implemented single phase DO configuration
- **Major:** Fixed issue in interfacing time sync status to IEC61850 time quality tag.
- **Major:** Fixed issue with implementation of IRIG-B and SNTP indication to Modbus and IEC103.
- **Major:** Fixed issue in time goes back and forth when SNTP is disabled.
- **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.
- **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.

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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