



## F-PRO215

### Firmware v2.0

#### 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 to display SNTP sync status in RecordGraph.
  - 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

- 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 relay address setting from two digits to three digits for Modbus.
  - **Major** : Fixed issue in LCD/HMI where wrong time was displayed when set to Local Time with Daylight Saving Time.
  - **Minor** : Fixed Issue where the active setting group dataset in IEC61850 was not updated.

#### 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).

#### Customer Support Contact Information

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## REVISION HISTORY

### v1.9 – 2018-01-02

- **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 in interfacing 79 IN not updating RCP metering.
- **Major :** Fixed issue in IRIG-B and SNTP time sync indication to Modbus and IEC103.
- **Major :** Fixed issue in time goes back and forth when SNTP is disabled.
- **Major :** Enhancement on 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

## 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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