F-PRO 116 Firmware

v1.3

Release Description

DATE: 2024-10-17

FEATURE ENHANCEMENTS

- Cyber Security:
  - None.
- General:
  - Added 5 Virtual Inputs to provide the ability to receive Control Commands through the DNP3.0 Protocol.
  - ISEF channel is renamed as ISEF/REF in LCD-HMI metering, calibration, settings, events, and fault pages.

CORRECTIONS TO ISSUES

- Cyber Security:
  - None.
- General:
  - Major: Fixed issue where the DNP Protocol displayed timestamps one day ahead for years other than 2023.
  - Major: Fixed issue where the LCD went blank when enabling or disabling the login password.
  - Minor: Fixed issue where the fault records were not displayed in the correct sequential order when navigating through the LCD-HMI fault log page.
  - Minor: Fixed issue where the LCD backlight was not switching off as per the setting for certain condition.

COMPATIBILITY

F-PRO 2000 Offliner Settings Software	v3.2 and above
Setting Version	3
F-PRO 116 User Manual	v1.3 Rev 0

Minor releases, designated with a revision or letter (e.g. v3.4 Rev 1 or v3.4a), maintain the same compatibility as their base version (e.g. v3.4 Rev 0 or v3.4).

REVISION HISTORY

V1.2 - 2022-01-12

- Enhancement: Cyber Security:
  - Added password protection for setting file upload.
- Enhancement: General:
  - Added 50N1, 50N2, 51N Protection Functions.
  - Added DNP 3.0 serial communication protocol for SCADA communication.
  - Added event pop-up messages on the front panel display.
  - Added the ability to update the firmware via the front USB port.
- Minor: Fixed issue where loading the Setting File to the unit without selecting the Setting Group in the terminal user interface would result in an unexpected unit restart.

v1.1 – 2021-02-11

- Enhancement: Added the ability to set the Real Time Clock (RTC) via the front panel USB-serial interface.
- Enhancement: Added support for Tera Term terminal emulator software from front panel USB-serial interface.

v1.0 – 2020-08-01

- Enhancement: Initial release for general availability.

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**.**