



## Relay Control Panel

v2.9

### Release Description

#### FEATURE ENHANCEMENTS

- Allow access to all service functions through the Ethernet ports for all relays. This includes password change, calibration, and CT format change. These functions were previously only accessible via the front panel USB maintenance port.
- Modified the technique used by Relay Control Panel to establish the connection with IEDs using modem, rear serial or front USB ports. This modified technique allows Relay Control Panel to be used on Windows 10 PCs to communicate with IEDs over these interfaces. The change works around known issues present in Windows 10 introduced in the Anniversary Edition (1607).
- L-PRO 4500, T-PRO 4500: Added the ability to test and reset the front panel target LEDs.
- L-PRO 4500: Added support for the following analog input product variants: 10 CT + 6 VT, 5 CT + 4 VT
- L-PRO 4500, T-PRO 4500: Added support for the following External Input and Output Contact product variants, 8 in + 8 out, 16 in + 16 out, 16 in + 24 out, 24 in + 32 out.

#### CORRECTIONS TO ISSUES

- **Minor:** Fixed issue where the 50BF event didn't show phase information for T-PROs.

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## COMPATIBILITY:

L-PRO Offliner	v2.8 and below
L-PRO 4000 Firmware	v2.5 and below
L-PRO 4500 Firmware	v2.0 and below
S-PRO Offliner	v2.1 and below
S-PRO 4000 Firmware	v1.0
S-PRO 4001 Firmware	v2.0 and below
B-PRO Offliner	v2.2 and below
B-PRO 4000 Firmware	v2.0 and below
B-PRO Multibus Offliner	v1.0
B-PRO Multibus Firmware	v1.1 and below
T-PRO 4000 Offliner	v1.5 and below
T-PRO 4000 Firmware	v1.2 and below
T-PRO 4500 Firmware	v2.0 and below
F-PRO 4000 Offliner	v1.0
F-PRO 4000 Firmware	v1.0
F-PRO 100/200 Offliner	v2.3 and below
F-PRO 215 Firmware	v1.9 and below
F-PRO 216 Firmware	v1.2 and below
F-PRO 235 Firmware	v2.4 and below
F-PRO 295 Firmware	v1.4 and below
F-PRO 297 Firmware	v1.0
F-PRO 298 Firmware	v1.0
Microsoft Windows	Windows 7 Professional Windows 10 Professional

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

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## REVISION HISTORY

### v2.8 – 2018-03-09

- **Enhancement:** Added support for B-PRO Multibus
- **Enhancement:** Added support for F-PRO 216
- **Enhancement:** Added support for F-PRO 295
- **Enhancement:** Added support for F-PRO 297
- **Enhancement:** Added support for F-PRO 298
- **Enhancement:** Added support for L-PRO 4500
- **Enhancement:** Added support for T-PRO 4500

### v2.7a Rev 1 – 2017-06-30

- **Minor:** Corrected issue where the software was installed to the default folder even if a different folder was entered by the user.

### v2.7a – 2016-01-04

- **Enhancement:** Enhanced setting file error checking before sending to the unit.
- **Enhancement:** Enhanced user interface for transferring setting file to the unit.

### v2.7 – 2015-06-26

- **Enhancement:** Add support for S-PRO 4001 v2.0 Firmware enhancements:
  - Add sub-harmonic metering
  - Replace operations per minute with operations per duration
  - Add running counter of operations for sub-harmonic operations
  - Add fault log
  - Add service-level sub-harmonic detector Pickup Counters setting

### v2.6 – 2015-04-17

- **Enhancement:** Support added for S-PRO 4001.
- **Enhancement:** Support added for F-PRO 215.
- **Enhancement:** Support added for F-PRO 235.
- **Enhancement:** Increased analog metering range maximum to 999999.999.

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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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