L-PRO 4500

Firmware v2.0a

Release Description

DATE: 2019-04-05

FEATURE ENHANCEMENTS

- None.

CORRECTIONS TO ISSUES

- **Critical:** Fixed issue where the inverse neutral over voltage function 59N trips instantly instead of following the selected curve for time of operation when the voltage very slowly reaches the exact set value. https://erlphase.atlassian.net/browse/P0198SSTNG-409

COMPATIBILITY:

L-PRO Offliner Settings Software:	v2.8 or above
Relay Control Panel Software:	v2.9 or above
RecordBase View Software:	v4.2 or above
RecordGraph Software:	v5.3 or above
ERL 61850 IED Configurator:	v2.2 or above
ICD File Version:	v3.0 Rev 2

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

v2.0 – 2018-10-17

- **Enhancement:** Added Broken Conductor protection function 46BC.
- **Enhancement:** Added the ability to set and edit protection settings using the front panel display interface.
- **Enhancement:** Added the ability to reset the front panel target LEDs using the following options: External Inputs, Virtual Inputs, ProLogic, Relay Control Panel.
- **Enhancement:** Added the ability to test the front panel target LEDs using Relay Control Panel.
- **Enhancement:** Added the display of phase to phase values when viewing voltage inputs using the front panel display, Relay Control Panel and SCADA.
- **Enhancement:** Added support for the following analog input product variants: 10 CT + 6 VT, 5 CT + 4 VT
- **Enhancement:** 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.

v1.0 – 2018-04-16

- **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**.**