



L-PRO Offliner

v2.8

Release Description

FEATURE ENHANCEMENTS

- Added support for L-PRO 4500 v2.0 Firmware.
 - Added Broken Conductor protection function 46BC.
 - Added support for the following analog input product variants: 10 CT + 6 VT, 5 CT + 4 VT
 - 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.
 - Added the ability to reset the front panel target LEDs using the following options: External Inputs, Virtual Inputs, ProLogic.
 - Added phase to phase voltage values to the DNP3 configuration screen.
 - Added A, B and C phase options for Aux. Voltage Input under System Parameters menu.

CORRECTIONS TO ISSUES

- **Major:** Fixed issue where extra settings were saved to the Settings File for L_PRO 2100 setting versions 6 to 12 and L-PRO 4000 setting versions 401 to 406. This resulted in Relay Control Panel blocking the setting file from being loaded to the unit.
- **Minor:** L-PRO 4000, L-PRO 4500: Fixed issue where the availability of the 94 Phase A, B, C is shown incorrectly in the ProLogic picklist when the 79 Auto-Recloser function is enabled.
- **Minor:** L-PRO 4000, L-PRO 4500: Fixed issue where the user was able to enable 50BF Aux. when Ring-Bus was disabled under some conditions. This is an invalid setting.
- **Minor:** L-PRO 4000, L-PRO 4500: Fixed issue where the user was allowed to set the 59-2 AUX Gate Switch setting to an incorrect value under some conditions.
- **Minor:** L-PRO 4500: Fixed issue where the Positive Sequence Override setting was missing from the setting summary under some conditions.
- **Minor:** L-PRO 2100, L-PRO 4000, L-PRO 4500: Fixed issue where L-PRO Offliner v2.7 crashes when entering a Mho Characteristic Angle greater than 180°.

ERLPhase Power Technologies Customer Support Contact Information

support@erlphase.com

+1 (204)-477-0591 Option 1

www.erlphase.com



COMPATIBILITY

L-PRO 2100 Firmware Versions	v5.0 and below
L-PRO 2150 Firmware Versions	v1.1 and below
L-PRO 4000 Firmware Versions	v2.5 and below
L-PRO 4500 Firmware Versions	v2.0 and below
L-PRO 2100 Setting File Versions	1 – 12
L-PRO 2150 Setting File Versions	401 – 402
L-PRO 4000 Setting File Versions	401 – 407
L-PRO 4500 Setting File Versions	601 – 602
Microsoft Windows	Windows 7 Professional Windows 10 Professional

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).

ERLPhase Power Technologies Customer Support Contact Information

support@erlphase.com

+1 (204)-477-0591 Option 1

www.erlphase.com



REVISION HISTORY

v2.7 – 2018-04-16

- **Enhancement:** Added support for L-PRO 4500
- **Minor:** Fixed issue that allowed setting the port number or IP address to the same value on more than one DNP master. This setting can put the IED into a non-responsive state.
- **Minor:** Fixed issue where the setting file is copied to an incorrect folder when imported and then the setting version is increased.
- **Minor:** Fixed issue where 79-1Ph Reclose cannot be selected in the output matrix in some circumstances when the setting group is greater than one.
- **Minor:** Fixed issue where user manuals could not be opened from within Offliner when Offliner was installed by different user.
- **Minor:** Fixed issue where some settings were incorrectly scaled when switching between 1A and 5A CT setting.

v2.6 Rev 2 – 2015-12-15

- **Enhancement:** Added L-PRO 2100 User Manual v5.0 Rev 0

v2.6 Rev 1 – 2015-05-11

- **Enhancement:** Added L-PRO 4000 User Manual v2.5 Rev 1

v2.6 – 2015-02-14

- **Enhancement:** Phase segregated trip information in DR, accessible through ProLogic and Output Matrix
- **Enhancement:** Elimination 50BF Breaker Fail Auxiliary Circuit Breaker ring bus interlock
- **Enhancement:** Modified auto-recloser scheme (refer to manual for operation details)
- **Enhancement:** Main & Auxiliary Overvoltage second definite time stage
- **Enhancement:** Tilt angle setting into QUAD characteristics 21P and 21N functions
- **Enhancement:** Virtual Input option for 52CB function
- **Enhancement:** Expanded LOP functionality
- **Enhancement:** Series Compensation
- **Enhancement:** Enhanced Target LED selection capabilities
- **Enhancement:** DNP communications enhancements and corrections
- **Enhancement:** Enhanced setting data change save operation – multiple screens
- **Enhancement:** Corrected issue with Offliner Window resizing
- **Enhancement:** Enforce/Standardize unit and feature naming conventions
- **Enhancement:** Correct SCADA Summary information when launched from RecordBase View

ERLPhase Power Technologies Customer Support Contact Information

support@erlphase.com

+1 (204)-477-0591 Option 1

www.erlphase.com



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.

ERLPhase Power Technologies Customer Support Contact Information

support@erlphase.com

+1 (204)-477-0591 Option 1

www.erlphase.com