



NXL-AMP

DATA BUS AMPLIFICATION PANEL

OVERVIEW

The NexLight® NXL-AMP panel provides amplification to the 2-Wire system bus to support additional devices on the NexLight system. The NXL-AMP accessory panel features LED Indicators to facilitate diagnostics and maintenance of the system. This panel includes a Surface Mount NEMA/Type 1 Enclosure (3R available) with a hinged cover secured by a robust locking mechanism that includes (2) keys.

SPECIFICATIONS

Physical

NEMA/Type:	1 (3R available, add -3R to part number)
Mounting:	Surface Mount (suitable for Plenum Mount)
Operating Temperature:	14° to 113°F (-10°C to 45°C)

Electrical (Control Wiring)

Input Signal:	24VAC, Class II
Indicator LEDs:	Power
	Data TX and RX
	Full Load Warning
	Data Line Short Circuit Indication

FEATURES

- **Nema/Type 1 Enclosure**
- **Adds an additional 500mA to the 2-Wire System Bus Capacity**
- **Provides the ability to extend wiring distances for the 2-Wire System Bus**
- **Indicator lights for diagnostic and maintenance of the System**

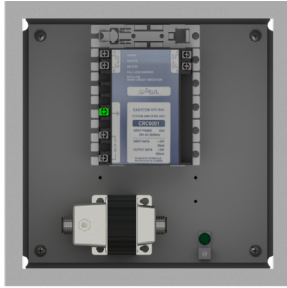
ADDITIONAL PANELS

**See individual accessory specification sheet for more information

NXL-R Series	NexLight R Series Relay Panels
NXL-D Series	NexLight D Series Dimming Panels
NXL-RC Series	NexLight RC Series Room Control Panels
NXL-OPC:	Outdoor Photocell Integration Panel, Remote Mounting (8"H x 8"W x 4"D)
NXL-OPP5:	Dimming Expansion, (8) Channels of 0-10 Dimming (100mA Sinking per Channel) (8"H x 8"W x 4"D)
NXL-AVI:	A/V Integration, (8) Dry Contact Inputs (8"H x 8"W x 4"D)
NXL-BMS:	BACnet Protocol Conversion Panel for Building Management System (BMS) Integration (12"H x 12"W x 6"D)



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Included Components

- 1 CRC6001 System Amplifier Unit
- 1 TR-5024 Transformer
- 1 PA-120-1 Panel Assembly

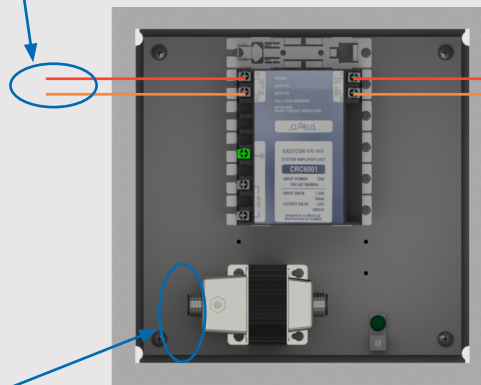
Physical Specifications

NEMA/Type:	1
Mounting:	Surface Mount
Dimensions:	12.00"H x 12.00"W x 6.00"D
Weight:	15 lbs 12.8 oz
Addresses Available:	N/A
Addresses Used:	N/A
mA Available:	500 mA
mA Draw:	10 mA
Operating Temperature:	14° to 113°F (-10°C to 45°C)

WIRING DIAGRAM

Description	Wire Color
Neutral	Black
120 VAC	White
240 VAC	Orange
277 VAC	Yellow
480 VAC	Gray

Incoming databus
to be amplified



Outgoing (amplified)
databus to additional
system devices and
components

120/277VAC Connection for Power Supply;
Reference above table for the correct wiring