

# DIMMING RELAY PANELS

EN-CP24-10V / EN-CP12-10V

Compatible with LENC series enclosures

GreenBus Wired Communication

Easy setup via Polaris Config software



Up to 24 0-10V dimming outputs, capable of sinking 30mA each.

Compatible with Wattstopper PLUS Wired Manager, switches, sensors and input devices



## DESCRIPTION

The EN-CP panel series is designed to provide high-power switching and 0-10V dimming between groups of luminaires and the GreenBus™ communication network. The panels can be networked together on Wired GreenBus™ to enable automation through out an entire facility.

Wattstopper PLUS devices such as switches, occupancy sensors, daylight sensors, and other devices connect to the panel with the GreenBus™ Wired Manager. The panel controls multiple groups ON or OFF via integral high current relays while setting the zones' overall light levels with 0-10V dimming outputs wired to the luminaires' dimming ballasts or LED drivers.

The EN-CP panel series dimming outputs can be isolated and suitable for installation as either NEC Class 2 or Class 1 circuits. The panel can switch and dim entire circuits of electrical loads and is suitable for general-purpose plug load control.

## FEATURES

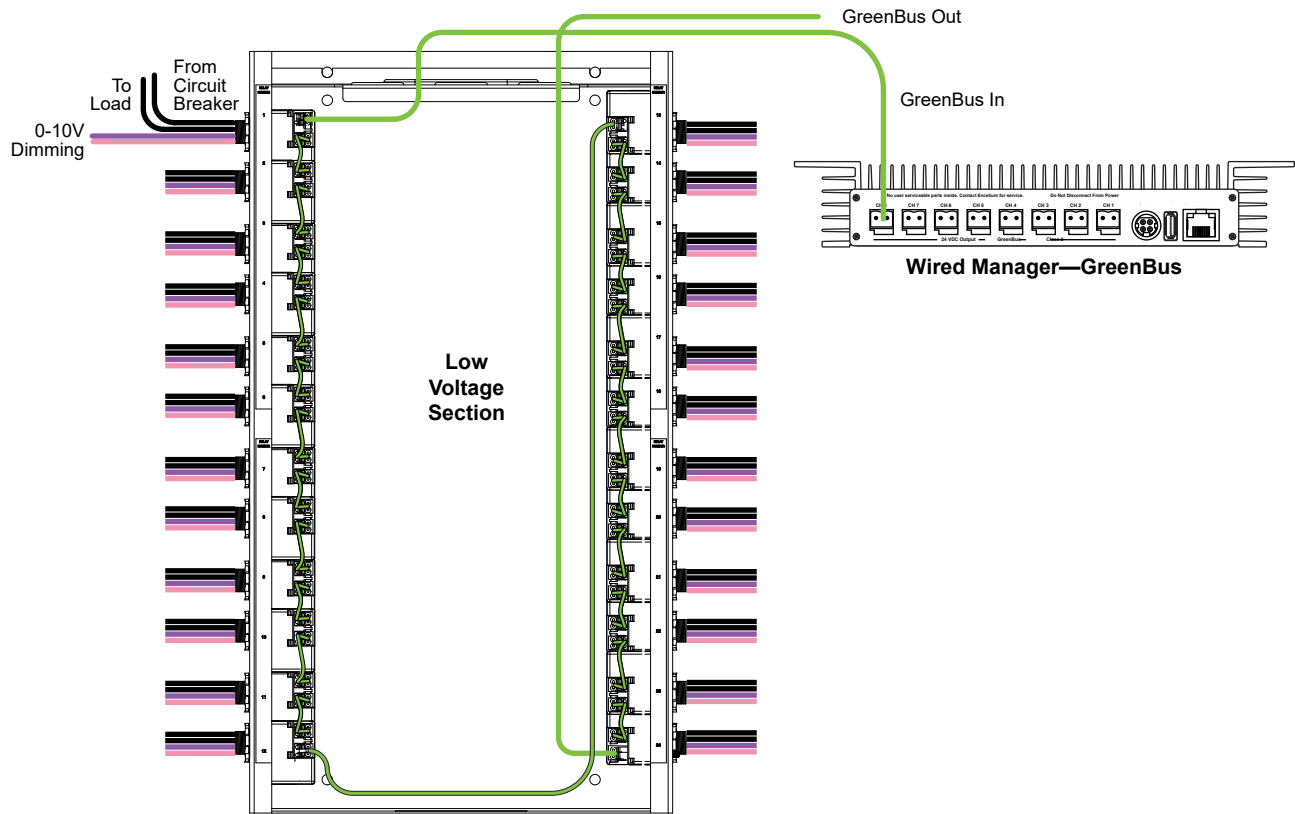
- Adjusts light levels to respond to variable lighting requirements
- Enables scheduling luminaire group operation to lower energy use during off-peak occupancy
- Customizing lighting scenes for tailored experiences/tasks
- Allows adjustment of luminaire group assignments for modified space layouts
- Designed for up to 24 Wattstopper PLUS Area Lighting Controllers for Switching, 0-10V Dimming, and plug load control.
- Easily add to retrofit applications and new systems with the support and features of Polaris Config software.

## SPECIFICATIONS

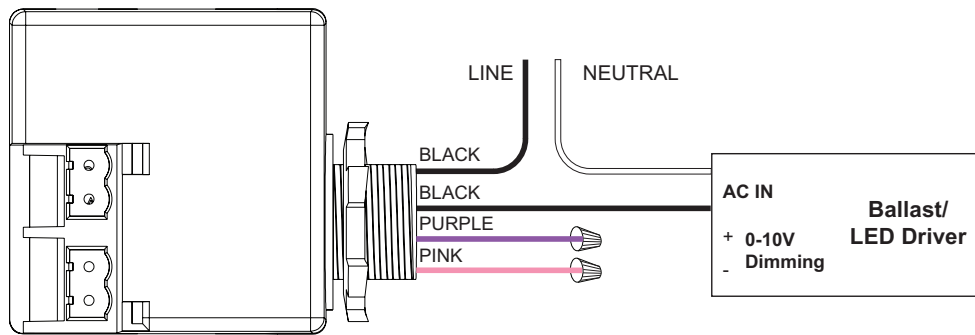
- Voltage: 22.5V, supplied by GreenBus
- Maximum Output Load Ratings per ALC module:
  - @120/277/347V, 20A; Ballast/LED Driver, Tungsten, Resistive, General Purpose
  - @120/277V; 1.5 HP VAC Motor
- 0-10V sinks up to 30mA per ALC module
- SCCR (short circuit current rating): 5,000 amps
- Panel comes from factory in Class 1 0-10V dimming output configuration. For Class 2 0-10V installations, a conversion kit must be used (order separately).
- Operating Temperature: 32° to 113°F (0° to 45°C)
- Mounting: EN-CP panels are compatible with LENC enclosures (order separately). Surface and Flush mounting available.
- Certifications
  - UL and cUL listed (UL916), Complementary Listed to "Emergency Lighting Equipment" (UL924)
  - FCC Part 15 Class B compliant
- Five year warranty

PROJECT		LOCATION/ TYPE	
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WIRING

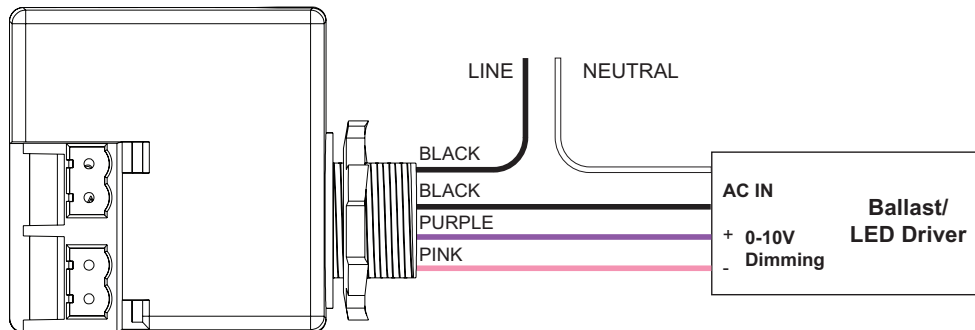


Non-Dimmable Luminaire Wiring



For non-dimming ballasts, cap the purple and pink wires.

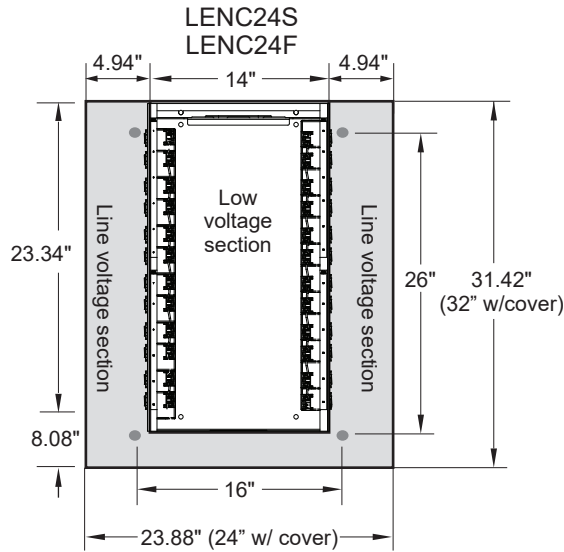
0-10V Dimmable Luminaire Wiring



## MOUNTING OPTIONS

The mechanical construction allows for simple installation of the EN-CP panel to a LENC series enclosure. GreenBus communication wiring is still accessible from inside of the enclosure to daisy-chain the panel to more devices. The enclosures are provided with integral mounting studs that are configured to accept the panel interior making the installation quick and easy.

Panel enclosures come as surface mount ("S") or flush mount ("F"). For flush mount enclosure, add 1.35" to height and 1.85" to width. Depth for all models 4.5", with cover attached 4.67".



## ORDERING INFORMATION

Catalog #	Description	Communication Network
■ EN-CP24-10V	Control Panel 0-10V, GB2 - 24 ALC 120-347V	Wired GreenBus
■ EN-CP12-10V	Control Panel 0-10V, GB2 - 12 ALC 120-347V	Wired GreenBus
■ EN-CP-CKIT	Conversion kit, 0-10V Class 1 to Class 2. Converts up to 12 circuits.*	N/A
■ EN-CP-HBAR	High Voltage Barrier, splits into even numbered groups.	N/A

**\*Ordering Notes:**

Each EN-CP-CKIT converts up to 12 circuits. To convert all 24 circuits in a EN-CP24-10V panel, order two EN-CP-CKIT conversion kits.