intelligent
lighting controls
A **Cooper Lighting Solutions** business

www.ilc-usa.com
952.829.1900

LightLEEDer	EVO Integrated -4, -8 Relay Panel

Overview

The LightLEEDer EVO Integrated Relay Panel provides up to 8 relays with 0-10V dimming. This panel integrates the control options of an EVO with onboard relays for easy installation. The LLEVO-INT-4 or -8 relay panel is ideal for a multi-zone classroom where one or more daylight harvesting zones are required, or smartboard lighting applications. When controlling hospital patient room lights using a pillow switch (or nurse call system) a single button is pressed to sequence the lights. When the button is held the dimming will ramp up or down until released, giving the patient full control of the lights.
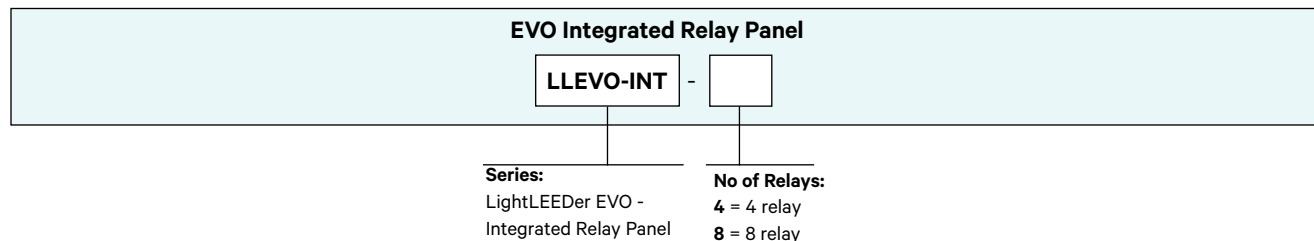

Features

- **Made in the USA**
- **4 or 8 load relays** rated at 16 Amps for each set of 4 outputs with 2 isolated inputs
- **Galvanically Isolated** 0-10 dimming for each output
- **4 inputs** for hospital system momentary closure, wall switch, or motion sensor
- **Photocell Sensor** input RJ-45 terminal for daylight harvesting use
- **RJ-45 port** for digital switch termination
- **All On/Off** switch and status LED
- **Easy installation** with everything integrated in one convenient box

- **Oversized relays** for extended life of product with contacts designed for LED inrush current
- **Power** for digital LightSync switches, photocell sensor and occupancy sensor
- **Time clock** includes daily calendar, daylight savings time, astronomic, open/close operation
- **Standalone** or networked with any LightLEEDer controller or EVO panel
- **Enclosure** suitable for plenum mounting
- **Pillow switch integration** for single button control supports both single press scene sequencing and press and hold ramp cycle dimming

Warranty

Five-Year limited warranty

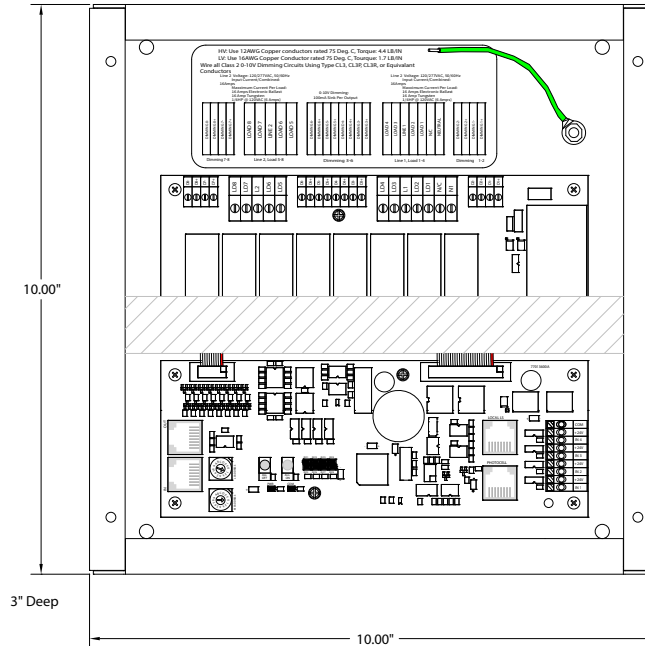## Ordering

EVO Integrated Relay Panel

LLEVO-INT - [ ]

Series:
LightLEEDer EVO -
Integrated Relay Panel

No of Relays:
4 = 4 relay
8 = 8 relay

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| LightLEEDer | EVO Integrated -4, -8 Relay Panel |

Physical

10.00"

3" Deep

10.00"

Specifications

Safeguards:
- Power surge and spike suppression up to 123 volts from power supply to controller
- Memory retention for firmware and programming up to 200 years and electrostatic discharge to 4kV
- Real time clock retention 45 days or greater without power
- Galvanically isolation to 1500V for the 0-10VDC dimmer outputs, with revert to 100% on power loss

Physical:
- Enclosure: 10"x 10"x 3" NEMA 1
- Galvanized steel enclosure and screw cover
- Provided with pre-drilled mounting holes
- High voltage barrier separates Class 2 wiring
- Screw down line-voltage terminals for up to12AWG
- Push-to-connect low-voltage 16AWG terminals
- Color coded labels for easy terminal identification
- RJ-45 connectors provide for easy connection
- Suitable for plenum mounting
- High Voltage barrier provided in LLEVO-INT-8 to separate L1 and L2

Interfaces:
- 4 inputs for hardwire switches or occupancy sensors
- Photocell controller with RJ-45 port for a daylight sensor
- RJ-45 port for up to 17 digital CAT-5 device addresses

Electrical:
- 120/277VAC @ 0.6 amps
- Line 1 and 2 inputs support a maximum of 16 Amps each at 120/277VAC

- Dimming: 100mA sink per isolated output
- Inputs: 24VDC
- Powered LS Devices, Distance, Input power available
  - 4 CAT-5 Devices, 400' accumulative, 60mA Occupancy sensor power
  - 5 CAT-5 Devices, 600' accumulative, 50mA Occupancy sensor power
  - 6 CAT-5 Devices, 800' accumulative, 40mA Occupancy sensor power
  - 7 CAT-5 Devices, 900' accumulative, 20mA Occupancy sensor power
  - 10 CAT-5 Devices, 1,000' accumulative, No (0mA) Occupancy sensor power
- **Note:** Additional CAT-5 devices can be supported by adding a LSPSR or LSPSR6

Relays:
- 16A, 120/277VAC Electronic Ballast (LED)
- 16A 120/277VAC Tungsten
- 1/4 HP @ 120 VAC Motor Loads

Operating Environment:
- Location: Interior space
- Operating Temperature: 0° to 50° C
- Humidity: 10% - 90% Non-condensing
- Atmosphere: Non-explosive/corrosive
- Vibration: Stationary

Certifications and Approvals:
- UL and CUL listed
- FCC Part 15
- Title 24
- ASHRAE compliant
- IECC compliant

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