

LightLEEDer
LightLEEDer-EVO

### Overview

The LightLEEDer-EVO is a distributed lighting control panel that simplifies installation. The LL-EVO can be expanded from the local port using a LL-EVO-RC, LL-EVO-4X, and/or LL-EVO-8X. This panel operates the R20 style relays that connect using a standard CAT-5 cable. The remote mounted R20 relay is suitable for lighting or plug-load use. The LL-EVO has 16 pre-programmed lighting applications, push to connect terminals with color coded labels, internal time clock, and galvanically isolated 0-10V dimming. The LL-EVO can operate as a stand-alone panel or networked, reverting to stand-alone automatically if the network is interrupted. When installing, simply set the panel for a lighting application and it is up and running. This allows the installer to confirm wiring and fixture performance from the start saving time and start-up expense. Each of the 16 application programs can still be modified or customized using the standard ILC software. The remote mounted R20D relay has both line voltage and the 0-10V dimming control wire leads for easy wiring.



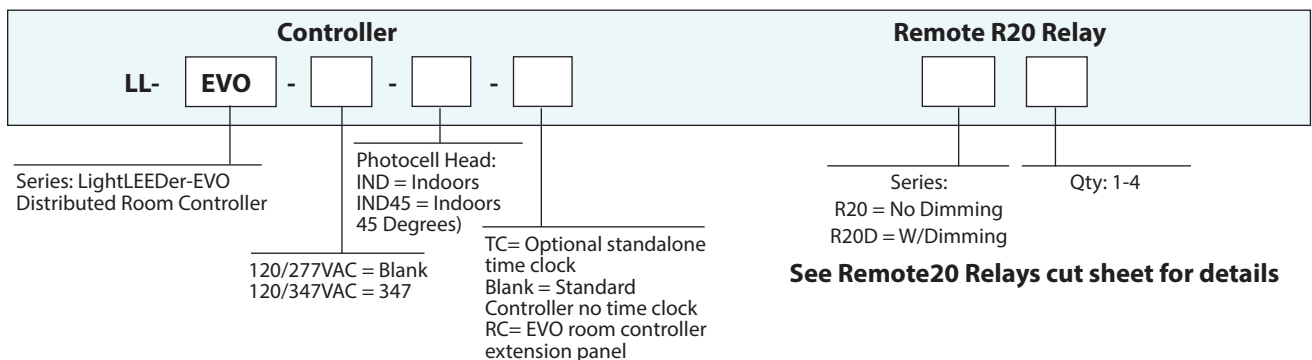
### Features

- **Made in the USA**
- **Digital CAT-5 Ready**
- **Distributed** lighting controller
- **Outputs** for up to 4 R20 relays
- **Plug-load** compatible
- **Remote** mounted relay for direct connection to loads
- **Galvanically Isolated** 0-10 dimming for 4 zones
- **Status LED and Override** buttons for remote relay control
- **Standalone** or networked with any LightLEEDer controller
- **Time clock** includes 7/365-day calendar, Daylight Savings Time, Astronomic, Open/Close
- **200mA** power provided for occupancy or vacancy sensors inputs
- **RJ45 connectors** for networking, CAT-5 devices, and R20 relays
- **Enclosure**, suitable for plenum mounting

### Warranty

Six-year limited warranty

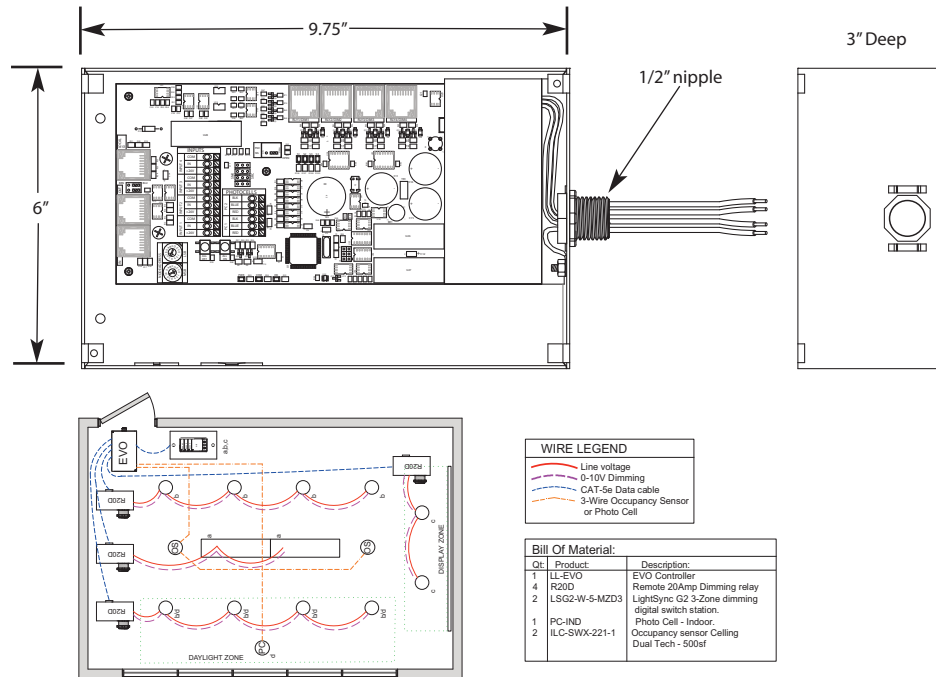
### Ordering



## LightLEEDer

## LightLEEDer-EVO

## Physical



## Specifications

**Safeguards:**

- Power surge and spike suppression up to 123 volts on the 20VAC power input 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: 9-3/4"x 6"x 3" NEMA 1
- Galvanized steel enclosure and screw cover
- Provided with pre-drilled mounting holes
- High voltage barrier separates Class 2 wiring
- 1/2" nipple for mounting to electrical box
- 6" wire leads for high voltage connections
- Push to connect low voltage terminals
- Color coded labels for easy terminal identification
- RJ45 connectors provide for easy connection
- Enclosure, suitable for plenum mounting

**Integrated Interfaces:**

- 4 inputs for hardwire switches or occupancy sensors
- Photocell controller for 2 sensor heads or zones
- RJ-45 port for up to 61 ILC CAT-5 devices
- 4 RJ-45 ports for R20 remote relays

**Electrical:**

- 120/277VAC @.6 amps (120/347VAC Optional)
- Input: 24 VDC (See below for details)
- Dimming: 100mA sink

**Powered Devices/Distance/Input Power Draw:**

- 4 CAT-5 devices, 400' accumulative feet, 200mA occupancy sensor power
  - 5 CAT-5 devices, 500' accumulative feet, 160mA occupancy sensor power
  - 6 CAT-5 devices, 600' accumulative feet, 120mA occupancy sensor power
  - 7 CAT-5 devices, 700' accumulative feet, 90mA occupancy sensor power
  - 8 CAT-5 devices, 800' accumulative feet, 60mA occupancy sensor power
- Additional LightSync devices can be supported by adding a PSR.*

**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