intelligent
lighting controls

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LightSync Digital | EVO Room Controller

Overview

The LightSync EVO Room Controller is a distributed lighting panel that simplifies expansion of a LLEVO or any LightLEEDer panel. The LSEVO-RC supports up to four R20D relays, two photo sensors, and two 6-button G3 switches. Easily connect R20D relays with CAT-5 to control lighting loads, 0-10V dimming, or receptacles. Programming can be easily modified using the ILC Pro Bluetooth app or LightLEEDer Pro software.
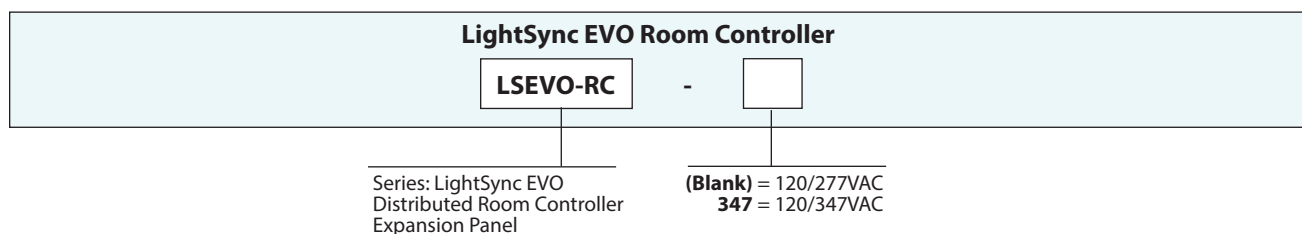
Features

- **Made in the USA**
- **RJ45 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
- **Daylight Control** for up to two spaces by adding PC-IND sensors

- **Networked** with any LLEVO or LightLEEDer panel
- **200mA** power provided for occupancy or vacancy sensors inputs
- **RJ45 connectors** for networking and CAT-5 devices
- **Enclosure**, suitable for plenum mounting
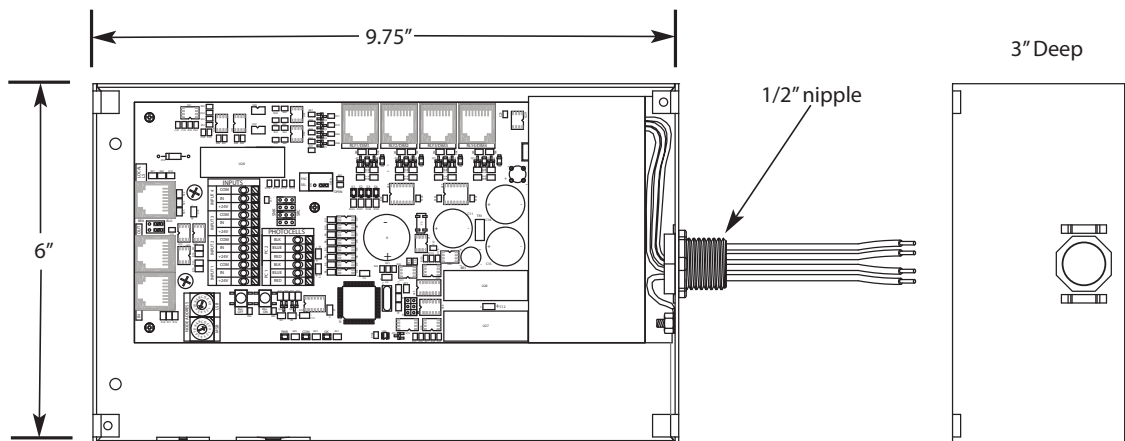
Warranty

Six-year limited warranty

Ordering

LightSync EVO Room Controller		
LSEVO-RC	-	

Series: LightSync EVO Distributed Room Controller Expansion Panel

(Blank) = 120/277VAC
347 = 120/347VAC

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Physical

9.75"

6"

1/2" nipple

3" Deep

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
- 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
- ½" 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 4 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

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