Overview

The LightLEEDer-2RC Room Lighting Controller is a 2-relay full featured mini panel with the common features desired for today's 1 or 2 room control. It has been designed to be used as a stand-alone panel or can be used as an expansion or remote panel from a standard LightLEEDer panels local port. As with all of our LightLEEDer panels, it comes with our Reliant40 latching relays which feature a four contact design - the first true 40Amp lighting relay. It also has integrated electronics for two dimming outputs for controlling 0-10V dimming ballasts, two inputs for photocell heads, four hardwired inputs, power for occupancy sensors, and a local LightSync port for up to two 6-button data line switches.

Features

General Information:

• All products Made in the USA
• 2 load programmable Room Lighting Controller
• Stand-alone or Networked
• LightSync switch capable
• Built-in photo controller
• Occupancy sensor interface
• 0-10V dimming control

LightLEEDer Expansion Processor (optional):

• Processor for only controlling remote LL-2RC, LL-4RC, or LL-4X panels
• Controls up to 16 LL-2RC, LL-4RC, or LL-4X remote panels
• Provides a sub-net local port for communications
• Allows LightSync data line devices and power
• Provides all standard panels controls to remote panels
• Interconnects with standard panels
• Combine up to 255 sub-net or standard panels per lighting system
Specifications

**Safeguards:**
- Power surge and spike suppression up to 123 volts on the 24VAC power input
- Memory retention for firmware and programming up to 200 years and electrostatic discharge to 4kv

**Physical:**
- Enclosure: 5” x 9” x 2” NEMA 1 with screw cover
- 3/4” nipple for mounting to an electrical box
- 6” wire leads provided for high voltage connections
- Push-to-connect low voltage connections
- Provided with pre-drilled mounting holes
- High voltage barriers separate Class 2 wiring

**Integrated Interfaces:**
- 4 inputs for hard wired switches or occupancy sensors
- Power for occupancy sensors
- Dimming 0-10V outputs for controlling 2 zones
- Photocell controller for 2 heads or zones
- LightSync port for up to 2 data line switches

**Electrical:**
- 120/277VAC @ .6 amps (120/347VAC Optional)
- Input: 24 VDC @ 200mA maximum draw
- Dimming: 100mA sink

**Relays:**
- Superior breaker style design
- 40 amp relays de-rated to 30 amps
- 30 Amps ballast or resistive loads
- SCCR to 18,000 symmetrical amps

**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

Ordering

<table>
<thead>
<tr>
<th>Controller</th>
<th>Expansion Processor</th>
</tr>
</thead>
<tbody>
<tr>
<td>LL-2RC</td>
<td>LL-EP</td>
</tr>
<tr>
<td>120/277VAC = Blank 120/347VAC = C</td>
<td>LL-EP</td>
</tr>
<tr>
<td>Head quantity</td>
<td>LL-EP</td>
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</tbody>
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Series: LightLEEDer 2 Load Room Controller
Photocell Head: Indoor (IND) only

INTELLIGENT LIGHTING CONTROLS, INC.
www.ilc-usa.com