



INTELLIGENT LIGHTING CONTROLS

Specifications

- Pre-programmed for 16 different lighting applications
- Same programming functions as standard LightLEEDer panel
- Controlled from LightLEEDer panel or as stand-alone control panel
- Four RJ45 connectors for remote mounted R20 and R20D relays.
- 2 photocells capable of open loop or close loop daylighting
- Dimming 0-10v outputs integrated directly into relay for easy field connection
- During a power failure the 0-10v dimming control opens, forcing the light to go to 100%
- Optional timer operation in stand-alone or network configuration
- 4 Inputs for occupancy sensors or hardwired switches
- 200mA available to power motion sensors at 24VDC
- Made in the USA

Safeguards

- 0-10v Dimming is galvanically from controller and system for up to 1500V. During a power failure the dimmer output opens, forcing the lights to 100% for full brightness
- 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

Electrical

- 120/277 VAC or 120/347 VAC @ .6 amps
- Input Power: 24 VDC @ 200mA maximum draw
- Dimming: 100mA sink per output
- LightSync power for up to 8 devices

Operating Environment

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

Physical

- Enclosure: 6" x 9.75" x 3" galvanized NEMA 1 with screw cover
- 1/2" nipple for mounting to an electrical box
- 1 - 1/2" and 1 - 3/4" knockout
- Provided with pre-drilled mounting holes
- High voltage barriers separate Class 2 wiring
- 8" wire leads provided for high/low voltage connections
- Ground wire provided
- Push-to-connect low voltage connections
- Color coded connections
- Relay status LED indicators
- All on and all off over-ride buttons
- Rotary address dials

Certifications and Approvals

- UL and CUL listed
- Plenum approved
- FCC Part 15
- Title 24
- ASHRAE compliant
- IECC compliant

Remote Relays: R20 & R20D

- Remote mount design
- Glass-filled ABS plastic
- 50 amp relays de-rated to 16-20 amps
- 20 Amps @ 120/277VAC, 10 Amps @ 347 VAC ballast
- 20 Amps @ 120/277VAC, 10 Amps @ 347 VAC resistive
- 20 Amps @ 120/277VAC, 10 Amps @ 347 VAC general loads
- 16 Amps @ 120/277VAC, 8 Amps @ 347 VAC electronic ballast
- 1/2HP @120 VAC
- Remote 0-10v dimming control
- Dimensions: 3.25" x 1.75" x 1.44"
- Provided with 1/2" electrical nipple and nut
- Plenum rated



INTELLIGENT LIGHTING CONTROLS

LightLEEDer-EVO

Distributed Lighting Controls Simplified

Cut costs and increase profits with a lighting control system from ILC. Studies show that installing a lighting control system in your facility can save you 20 percent or more on energy costs while improving workplace comfort and productivity. What's more, our lighting control systems typically pay for themselves within 5 - 10 years, giving you a high return on your investment for many years to come.

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5229 Edina Industrial Blvd. | Edina, MN 55439
800.922.8004 | www.ilc-usa.com

2017 PRODUCT GUIDE

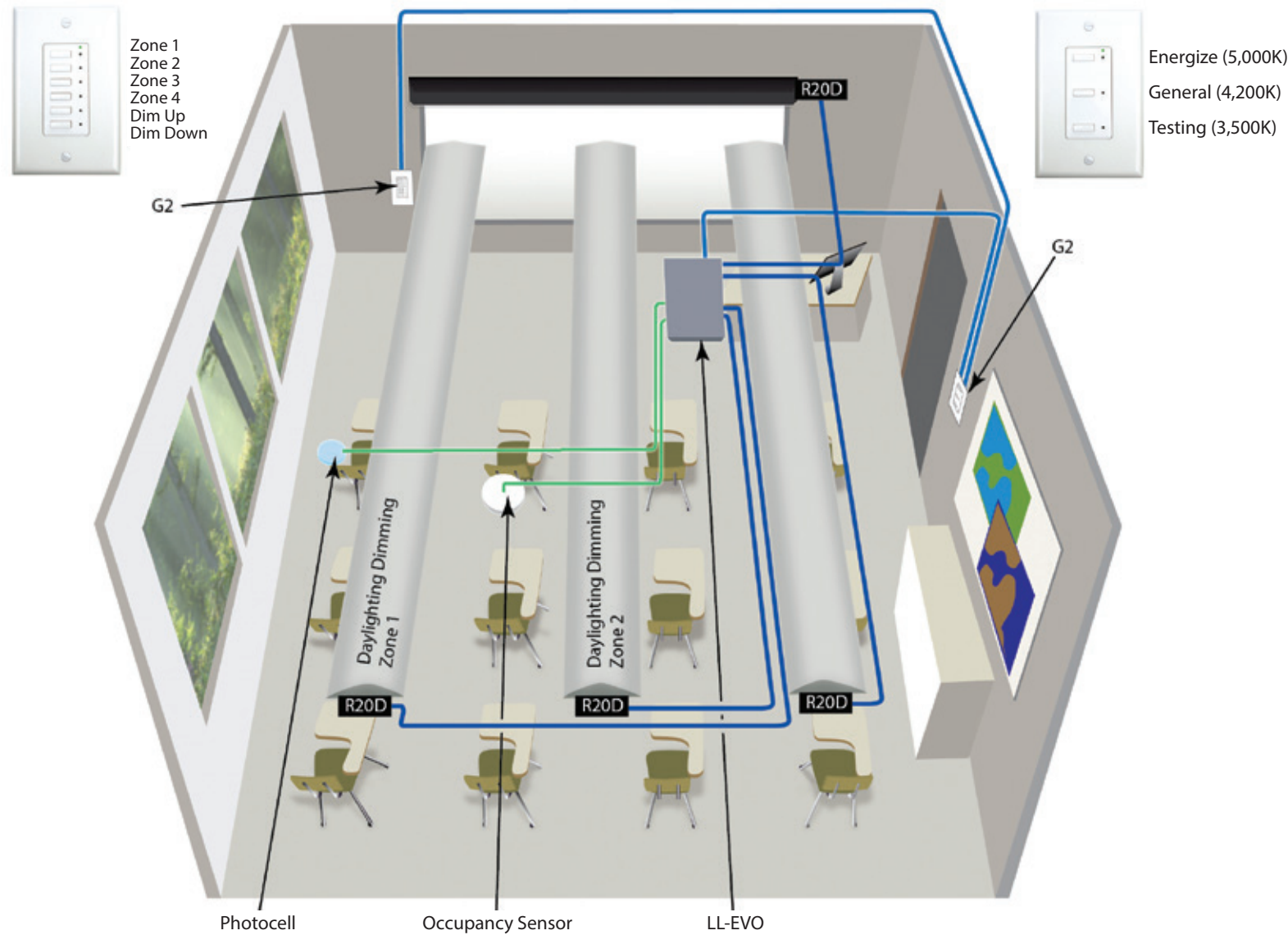
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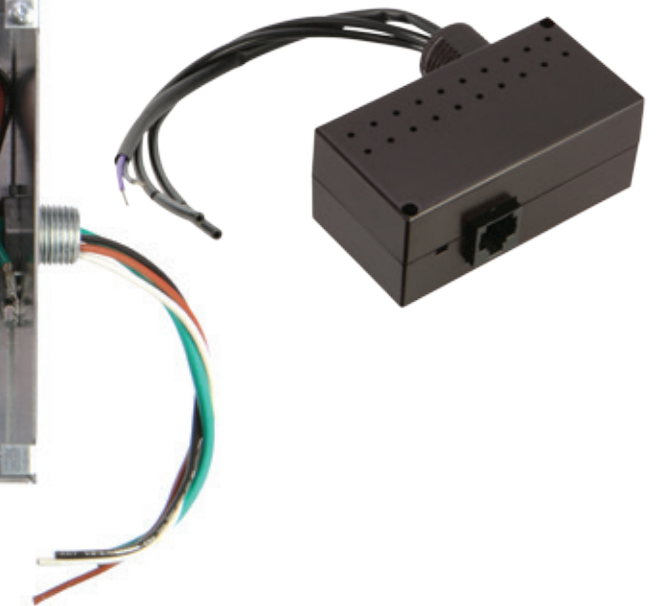
4 Zone Class With Dimming



LL-EVO Distributed Controller

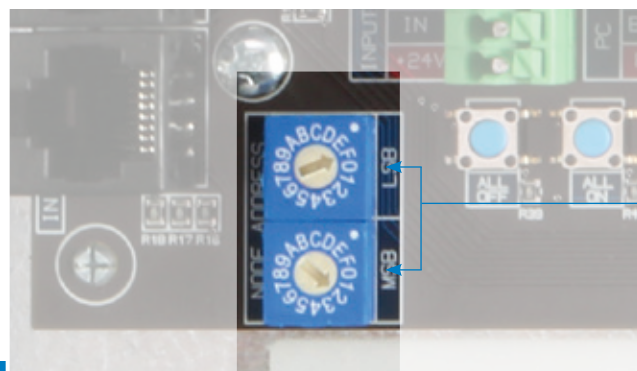


R20D Remote Dimmable Relay



Features and Benefits

- Pre-Programmed for 16 Lighting Applications**
 Ability to change from one room type (F2) to another (F3) by simply changing the dial on the address wheel
- Galvanically Isolated 0-10v Dimming**
 The ILC 0-10v dimming control circuit employs galvanic isolation to allow low voltage and line voltage wiring to be run together during field installation
- Color Coded Push to Connect Low Voltage Connections**
 We have color coded and labeled our connections to help prevent installation errors
- Localized Processor Control**
 Our room controller will function regardless of network status
- Time Clock Control**
 Available in stand-alone mode for easy code compliance instead of using motion sensors
- Seamless Integration with Building Automation and A/V Systems**
 The system can communicate via BACnet and interfaces with A/V to ensure a fully networked system with all the functions that an owner prefers
- Tunable White LED Compatible**
 Change the color temperature of your lights through 0-10v or DMX. Excellent for creating a healthier environment by regulating circadian rhythms



(F2) Change room type programming by simply turning a dial. Programming has never been easier than it is with the LightLEEDer-EVO by ILC.

CAT-5 Wiring