LightLEEDer has the capability to connect up to 255 panels and 16,575 devices in a single network. Each standard panel is provided with an on-board USB, and can also be provided with an optional TCP/IP interface. LightLEEDer has a full line of optional BMS/EMS connectivity interfaces for all of the popular serial protocols available in a panel or gateway device for status and control.

Data Line: Using ILC’s LightSync data line, you can connect panels and devices with standard CAT-5 cable and BMS connections to create a seamless lighting network. The LightSync data line is a solid, reliable, and economical solution for system communications. We keep it simple with proven technologies, which eliminates complicated commissioning and problems in the future.

Internet: With the TCP/IP option and LightLEEDer Pro software, you can access the LightLEEDer system across the Internet. This allows users to monitor lighting loads, update operating schedules, and monitor system status from their remote location. This can significantly reduce the complexity, cost, and maintenance requirements of having to provide on-site programming.

BMS Interface: The LightLEEDer system using the optional Serial Interface Module provides control from any building automation system using BACnet IP, BACnet MSTP, Modbus RTU, Modbus ASCII, Modbus TCP, LonWorks, Metasys N2, or LC serial open protocol. With the panel module commands can be sent to the panel to force relay on or off, monitor relay status, monitor input status, and enable/disable inputs. A single point gateway is available for control and status of relays, groups, and presets across the network.

LightLEEDer Connectivity Advantages

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LightLEEDer Upgrade Path

Do you have an outdated lighting controller that needs to be upgraded or retrofitted? ILC has a multitude of options for upgrading your system regardless of what is installed at your facility. All of the enhanced features of the LightLEEDer system will be available from LightSync switches to BAS control. Upgrades can vary from totally gutting the panel’s electronics and relays, to just replacing the controller itself.

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Room Controller Specifications

Electrical:

- 120 or 277 VAC @ .5 amp, 347 VAC optional
- Capacitors:
  - up to 15 single pole relays
- Relay:
  - 24-48 VAC @ 10 A
- I-pole relays only
- Memory retention:
  - up to 200 years and electrostatic discharge to 4Kv
- Real-Time-Clock:
  - up to 45 days or greater with built-in battery
- Data Line surge and spike suppression
- Power surge and spike suppression
- Photocell controller for 2 heads or zones
- Dimming: 100mA sink
- Power for occupancy sensors
- I-pole relays only
- 80 amp ballast or resistive loads
- SCCR rated 18 K
- Class 2 wiring
- Ground connection included
- Clearly marked connections
- Provided with pre-drilled mounting holes
- Physical:
  - LL-4RC Enclosure: 12.5” x 10” x 4” NEMA 1 with screw cover
  - LL-2RC 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 field wiring connections

Conservation Through Efficiency

Reduce the cost and complexity of lighting control projects while maximizing energy savings.

Certifications and Approvals:

- UL 489, 508, and 924
- CSA C22.2
- FCC Part 15
- RoHS compliant
LightLEEDer — Maximum Performance. Minimum Effort.

LightLEEDer lighting controllers are equipped with high-quality processors, with speed and advanced capabilities. They’re perfect for industrial projects seeking LEED certification and are available in sizes ranging from our 2 and 4 relay room controllers that integrate dimming and photo control to a full size panel with 64 relays. Every LightLEEDer panel includes the robust LS3460 relay, featuring a true 4-D coil load rating and a design that ensures the longest and dependable operation industry professionals have come to expect from ILC. LightLEEDer controllers feature a true distributed intelligence network. The LightLEEDer panel is flexible — existing as a stand-alone controller, in a simple network or integrated into an extensive campus-wide network system. In addition, LightLEEDer has full line of accessories to complement the network system which includes data line switches, occupancy sensors, photo sensors, touch screens, IAD interfaces and more for a complete and dependable lighting controller.

The Industry’s Most Intelligent Lighting Solutions

For over 25 years, Intelligent Lighting Controls, Inc. has been a leader in the lighting control industry. We engineer and manufacture all of our products, including our specially designed relays. This allows us to maintain superior quality control every step of the way. At ILC, we’re committed to constantly improving our products and services while providing the most innovative, reliable lighting control solutions available.

All ILC products are developed locally. Final panel assemblies are completed and shipped from our Minneapolis location. We can proudly say that all of our products are MADE IN THE USA!

Features

• Mode in the USA — relay and hardware
• USB, modem and TCP/IP connectivity available
• Integrated fuse protection
• Pre-programming and review
• Data logging — store valuable data for trending
• Network capability — BACnet MMS, Modbus, BACnet IP, Modbus TCP, Modbus RTU
• Occupancy Sensor Input — direct interface with smart sensors (hardware)
• Wiring allows control of multiple or separate functions
• Multiswitch modules — interface with virtually any/all relays

Benefits

• Reliable, dependable, modular hardware
• Flexible access for programming and control
• Easy to install and maintain
• Easy to install and maintain
• Access to power line monitoring
• Flexibility for direct interface
• M ade in the USA

LightLEEDer Accepts a Full Range of Control Devices

LightSync besteht aus einem vollständigen Line-Dimming-Interface, das skalierbare und flexible Lösungen bietet für die Integration von Licht- und Schiebewerksystemen in eine Leistungskontrollsysteme.