

## LightLEEDer

## Controllable Circuit Breaker Panel

### Overview

The LightLEEDer programmable breaker panel integrates lighting control into a panel board. The panels are custom built with the desired voltage, breakers, and mains. Panels range in size from 6 to 42 breakers and are equipped with CAT-5 RJ45 connectors for LightSync data line devices and interconnecting panels. Panels include a keyboard and LCD screen, along with USB and TCP/IP connections for easy programming with our free LightLEEDer Pro Software. Add-On modules are available for connecting to BAS, theatrical, or security systems.



### Features

- **Made in the USA**
- **Digital CAT-5 Ready**
- **Automatic** receptacle plug load and lighting circuit control
- **Programming Options** are done with a Integrated keypad with 4-line LCD display or using LightLEEDer Pro software via USB or TCP/IP.
- **Network Capability** allows you to connect up to **254 panels** and **64 LightSync** devices per panel, plus an additional **254 devices** on the panel network.
- **Internet Capability** to interconnect panels across the internet.
- **Relay Groups** can comprise any relay or controllable breaker on the network and be assigned to any of the **256 available groups** — controlled by any timer, switch, or other external commands.
- **Relay Presets** can be programmed from any relay or controllable breaker ON/OFF patterns and be assigned to any of the **256 available presets** — controlled by any timer, switch, or other external commands.
- **Timer Scheduling** for **128 available timers** that can turn breaker relays ON or OFF for Time-of-Day, Astronomical times, and Open/Close.
- **Clock Functions** include Automatic Astronomical calculation of Sunrise and Sunset, Adjustable Daylight Saving Time and Enable/Disable.
- **Switching Inputs** accepts virtually any type of switch, momentary or maintained, 2- or 3-wire switch and directly powers motion sensors, data line switches and devices.
- **Switch Input Flexibility** is provided with time-of-day function change and also has “and” and “or” logic built in.
- **Add-On Modules** available for each controller, and include BACnet IP, BACnet MSTP, Modbus RTU, Modbus ASCII, N2, DMX512.

### Warranty

One-year limited warranty

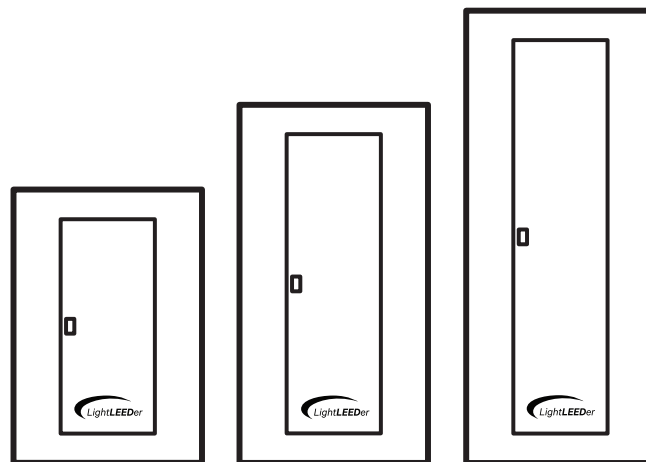
### Ordering

Contact ILC for ordering information

## LightLEEDer

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## Physical



Physical size depends on panel configuration

## Specifications

**Breakers:**

- 1 or 2 pole controllable breakers
- 1-, 2-, or 3-pole standard breakers
- Amperage: 15 to 100 Amp
- Mains: Lugs or breakers -100, 225, 400, and 600 Amp
- Voltage: 120/240, 208/120, 480/277 VAC

**Physical:**

- 16 gauge NEMA 1 enclosures
- Provided with pre-drilled mounting holes
- Provided with a hinged locking door for flush or surface mounting

**Power Supply:**

- 120 or 277 VAC @ 1 Amp, 347 VAC optional

**Capacities:**

- Up to 42 breakers
- 2 to 4 add-on modules

**Operating Environment:**

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

**Certifications and Approvals:**

- UL and CUL Listed