



## Controllable Circuit Breaker Panel

- 365-day programmable breaker panel
- Automatic receptacle plug load control
- Integrates all of the features of a LightLEEDer panel into a breaker panel
- Communicates on the LightSync™ network
- LightSync switch and accessory ready
- USB, modem and TCP/IP connectivity available
- Integrated surge suppression
- Built-in programming backup and restore
- Connect up to 254 panels and 16,510 devices together
- Allows network connections across the Internet



## Overview

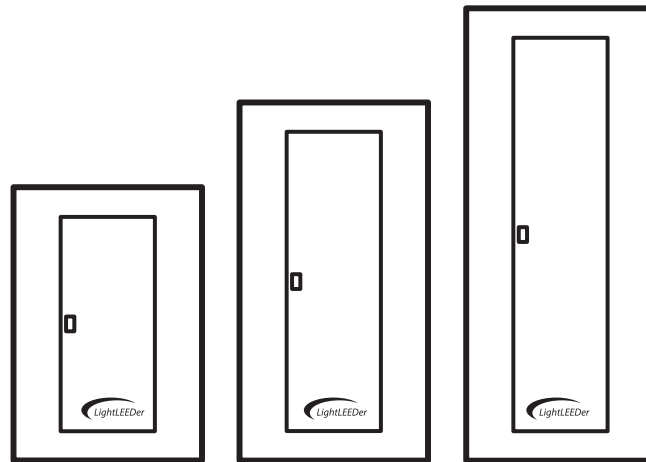
The LightLEEDer programmable breaker panel integrates lighting control into a panel board. The panels are custom built with the desired voltage, breakers, and mains. Panels range in size from 6 to 42 breakers and are equipped with CAT-5 RJ45 connectors for LightSync data line devices and interconnecting 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

- **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.
- **LightSync Data Line Device Ready** utilizing RJ45 connectors and standard CAT-5 cabling for data line.
- **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, LonWorks, DMX512, DTMF telephone switching and modem.



## 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

## Ordering

Contact ILC for ordering information