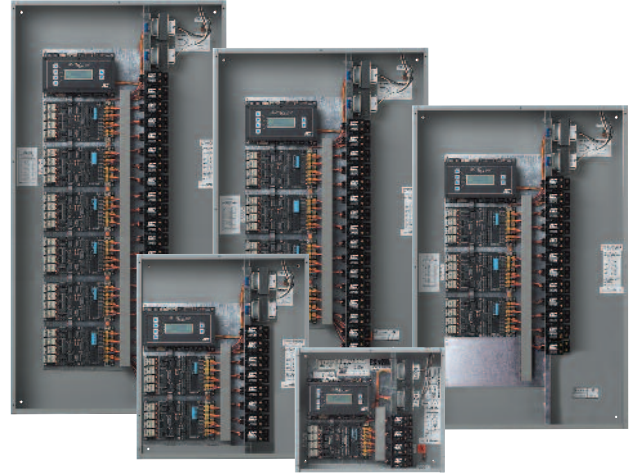




- 365-day programmable Lighting Control Panel
- All products Made in the USA
- LightSync™ switch and accessory ready
- RS232, RS485, and TCP/IP connectivity available
- Equipped for stand-alone or network use
- Network up to 128 panels and 254 LightSync devices
- Add-on modules available for BAS control and monitoring



Overview

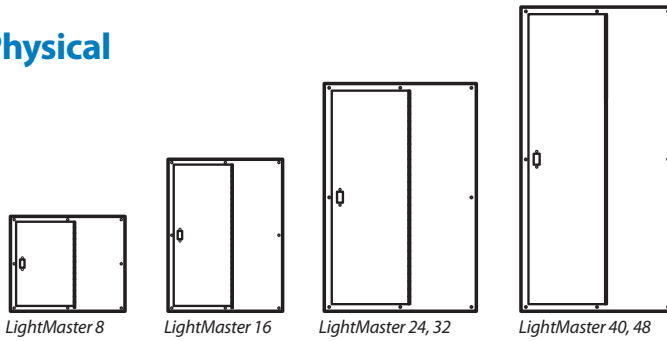
The LightMaster programmable lighting control panel is suitable for all your lighting control needs. LightMaster panels range in size from 8 to 48 relays and are equipped with CAT-5 RJ-45 connectors for LightSync data line devices and interconnecting panels. Panels include a keyboard/LCD display along with RS232, RS485, or an optional TCP/IP port to enable PC control and programming. Add-on modules are available if you require connecting to BAS, theatrical, or security systems.

Features

- **Made in the USA** relays and hardware.
- **Programming Options** are done with an Integrated keypad with 4-line LCD display or using LightMaster Pro software via RS232 or optional TCP/IP.
- **LightSync Data Line Device Ready** utilizing RJ45 connectors and standard CAT-5 cabling for data line.
- **Network capability** allows you to connect panels for up to **128 panels** and **254 LightSync devices** on the panel network.
- **Relay Groups** can consist of any relay on the network and be assigned to any of the **48 available groups** — controlled by any timer, switch, or other external commands.
- **Relay Presets** can be programmed from any relay ON/OFF patterns and be assigned to any of the **48 available presets** — controlled by any timer, switch, or other external commands.
- **Timer Scheduling** for **48 available timers** that can turn relays ON or OFF for Time-of-Day, Astronomical times, and Open/Close.
- **Clock Functions** features Automatic Astronomical calculation of Sunrise and Sunset and Adjustable Daylight Saving Time and enable/disable feature.
- **Switching Inputs** accepts virtually any type of switch input, momentary or maintained, 2- or 3-wire switch.
- **Add-On Modules** can be added to each controller, which include BACnet, Modbus RTU, Modbus ASCII, Metasys N2, LonWorks, DMX512, DTMF telephone switching and modem.



Physical



Enclosure Size Options (NEMA Type 1 w/cover)				
Enclosure Type	Relays	Width	Height	Depth
LightMaster 8	1 to 8	18 in.	15 in.	4 in.
LightMaster 16	1 to 16	18 in.	24 in.	4 in.
LightMaster 24	1 to 24	24 in.	36 in.	4 in.
LightMaster 32	1 to 32	24 in.	36 in.	4 in.
LightMaster 40	1 to 40	24 in.	48 in.	6 in.
LightMaster 48	1 to 48	24 in.	48 in.	6 in.

Specifications

Relays:

- **2R9 latching** relay: 120 - 277VAC @ 20 Amp for ballast and resistive loads 18,000A SCCR.
- **2-Pole** latching contactors: 208-480VAC, 20 Amps for ballast and resistive loads.

Safeguards:

- **Power surge and spike suppression** up to 123 volts on the 24VAC power input
- **Data line surge and spike suppression** up to 8kv direct and 15kv through air (optional).
- **Memory retention** for firmware and programming up to 10 years
- **Real-Time-Clock time retention** 45 days or greater without power

Physical:

- Provided with pre-drilled mounting holes
- Provided with a removable hinged locking door for flush or surface mounting
- High voltage barriers separate Normal/Emergency and Class 1/Class 2 wiring

Electrical:

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

Capacities:

- 1 to 48 relays (see table above)
- Contact ILC for contactor capacities

Options:

- Panels may be fitted with a wide variety of options such as: TCP/IP, modem, DMX 512, Metasys N2, Modbus, BACnet, LonWorks, and flush mount panel cover

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 508
- UL 916
- FCC Part 15
- Title 24
- ASHRAE compliant

Ordering

