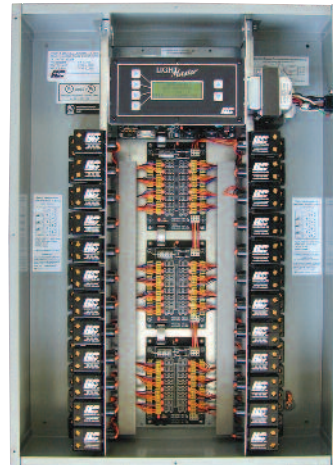




LIGHT *Master* D

Double Sided Controller

- LightMaster D double sided controller in a space saving design
- Keypad available in top or bottom mount configuration
- 365-day programmable Lighting Control Panel
- 16, 32 or 48 Relay Outputs
- RJ45 connectors for CAT-5 data line cable
- ILC LightSync™ switch and accessory ready
- 48 programmable relay groups, presets, timers
- True relay status with Pilot Light and Override push buttons
- Daylight Savings Time adjustment and Astro Clock standard
- Equipped for both Standalone and Network use
- Optional Add-on Modules available
- UL Listed (508 and 916) FCC approval for commercial use
- Title 24 certified, ASHRAE 90.1 compliant
- TCP/IP port option to connect and program via a LAN or WAN



Overview

The LightMaster D double sided Lighting Panel is suitable to all your lighting control needs and provides a solution in tight quarters. Whether you need a single LightMaster D Lighting Controller or a network of multiple control panels the LightMaster D panel is outfitted for your solution. The LightMaster D controller is equipped with CAT-5 RJ-45 connectors for ILC LightSync data line switches, photocells and other network devices. Your LightMaster D includes a control keypad, an RS-232 interface, and more to assure that you have what you need now. Special application cards are available when you need to interface to other energy management, theatrical or security systems.

Features

Multiple Programming Options

- Integral keypad with 4-line LCD display
- Handheld keypad and LCD display
- LightMaster Pro Windows software

ILC LightSync Device Ready

- Utilizes standard CAT-5 RJ-45 cabling
- See ILC Catalog LightSync section for other data line devices

LightSync Network Capable

- LightSync Standard Network supports up to 32 LightMaster panels
- LightSync Extended Network supports up to 128 LightMaster panels

Relay Groups

- Relays may be assigned to any of 48 available groups
- Relay groups may be assigned to multiple Timers, Switch Inputs, and other panel functions

Relay Presets

- Relays may be programmed to any of 48 presets available
- Presets may be controlled by Switch Inputs and Timers

Open/Close Times

- Lighting Control Schedules set to adjust based on business (retail) Open/Close hours
- Standard daily and weekly Open/Close times and 365 custom daily Open/Close times
- Scheduled event may be programmed to occur before, after or at Open/Close times

Relay Functions

- Each relay may be programmed for ON only, OFF only or ON/OFF control
- Pulsed output for control of external devices such as lighting contactors or other systems
- HID multilevel control (output control for multi-level HID ballasts including warm-up sequence)

Switch Types

- The LightMaster accepts virtually any type of switch input, momentary or maintained
- Easy direct connection to motion and photo sensing devices

- Override inputs can enable or disable any relay or group of relays
- Input disable based on time of day

Switch Input to Relay Output Mapping

- All switch to relay settings are completely soft, requiring no field rewiring when changes are required
- Any switch can control any combination of relays locally and across the network

Automatic Power-Up Settings

- Relays may be programmed to automatically turn to ON, OFF or remaining in the state they were in prior to the outage

After Hours Sweeps

- Individual relay or groups of relays may be programmed to be swept OFF during non-operational hours
- After hours OFF Sweeps can be set to occur based on time window

Daylight Saving Time Adjustment

- Automatic adjustment for daylight saving changes (may be enabled or disabled from keypad or software)

Astronomical Clock

- Automatic calculation of Sunrise and Sunset based on date and geographic position
- Scheduled events may be programmed to occur before, after or on an astro event

Blink Alert

- Prior to a scheduled OFF event, lighting loads programmed for a Blink Alert will be momentarily turned OFF then back ON to alert occupants. To avoid the pending OFF sweep, the user simply turns their local switch OFF and then back ON again during the adjustable period (default is 5 min.) prior to the OFF sweep.

Add-On Modules

- Easy to install add-on modules for applications requiring DMX 512 control, Modicon® MODBUS, Metasys® N2, BACnet or LonWorks (in networked applications - contact factory for details) interface, or DTMF telephone switching



INTELLIGENT LIGHTING
CONTROLS, INC.

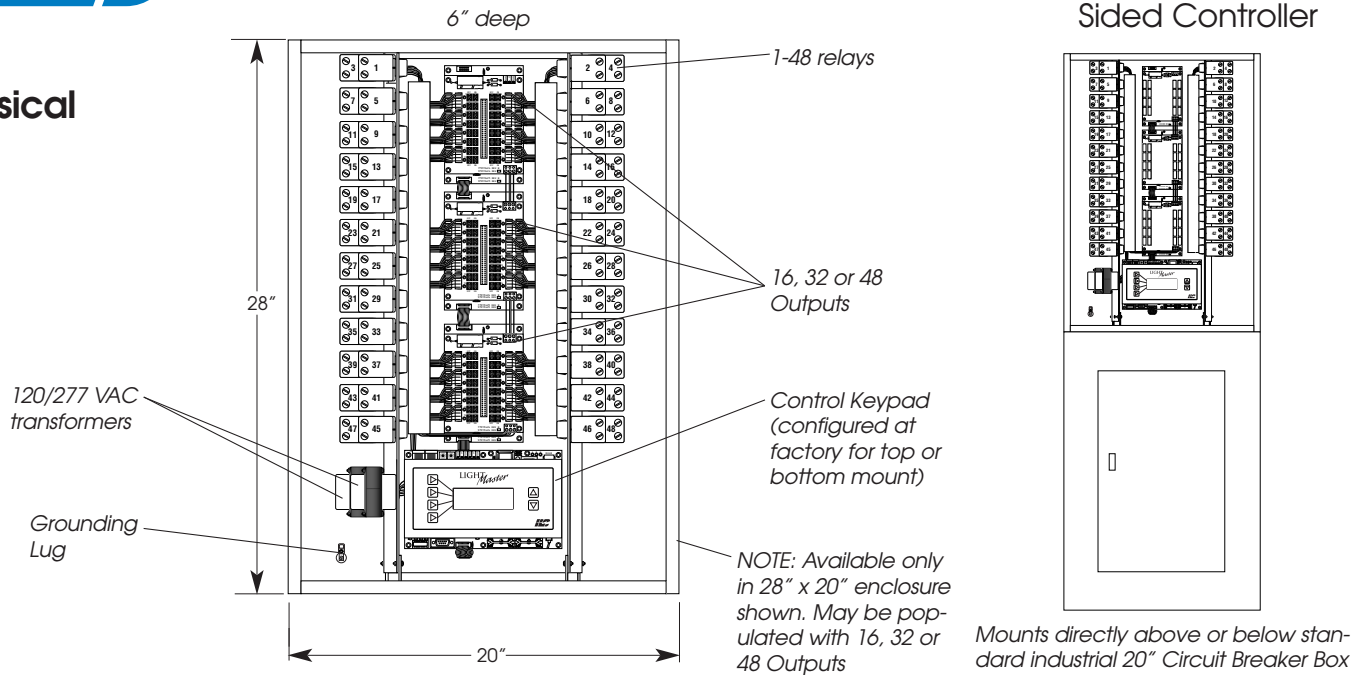
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Minneapolis, Minnesota 55439
Phone 952 829 1900
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1-800-922-8004
www.ilc-usa.com



LIGHT *Master* D

Double Sided Controller

Physical



Specifications

Physical:

- LightMaster D lighting controllers are provided with pre-drilled mounting holes for easy mounting to unistrut framing or directly to wall
- Standard 20" x 28" x 6" NEMA-1 enclosure
- Mounts directly above or below standard 20" industrial circuit breaker box
- All panels provided with a hinged locking door with dead front protection on the line voltage relay side

Electrical:

- 120 or 277 VAC power supply ready
- Relays or available for several voltages

Operating Environment:

- Location Interior space
- Operating Temperature 0° to 50° C (32° to 112° F)
- Relative Humidity 10% to 90% Non-condensing

Certifications:

- UL, CUL
- FCC approval for commercial use
- California Title 24

Capacity:

- 1 to 48 relays

Options:

- Accepts standard LightMaster option cards such as: DMX, Modbus, N2, BACnet, LonWorks, ethernet and DTMF

Configuration:

- Soft configuration with 10-year minimum NVRAM memory retention in absence of power
- Minimum 45 day clock retention

How to Order

Ordering a **LightMaster Double Sided Controller**

Order No. LMD-48-48-B (sample)

LMD - - - - -
 16, 32 or 48 Outputs
 Relay Count (0 - 48)
 Keypad mount
 T = top, B = bottom

NOTE: Available only in 28" x 20" enclosure shown. May be populated with 16, 32 or 48 Outputs.

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