

KMC Controls expansion lighting cabinets are configured and operated from a connected master control panel. The cabinets are offered in sizes from 4 to 48 relays per panel in a variety of configurations.

- ◆ Up to 96 relays per network
- ◆ Remote programming and configuration from any master lighting cabinet
- ◆ Distributed switching applications

Features

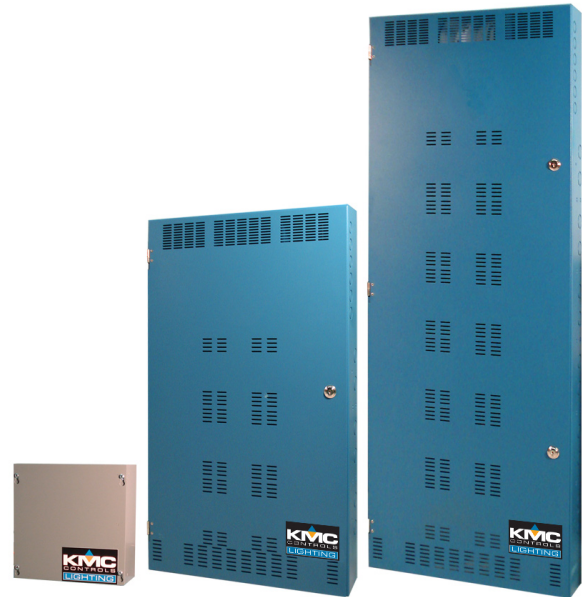
- ◆ Relays are rated for all light sources as well as motors
- ◆ Relays are individually replaceable
- ◆ Single pole and two pole relays fit in the same location. Same density regardless!
- ◆ Normal or Emergency cabinet capability
- ◆ Cabinet is prewired and tested
- ◆ Standard transformer has inputs for 120, 277, or 347 volts AC power
- ◆ Cabinets may be surface or recess mounted

Applications

- ◆ Office spaces – large and small
- ◆ Schools
- ◆ Churches
- ◆ Convention centers
- ◆ Parking lot lighting
- ◆ Ballpark lighting – professional and recreational
- ◆ Municipal parks
- ◆ Residential lighting

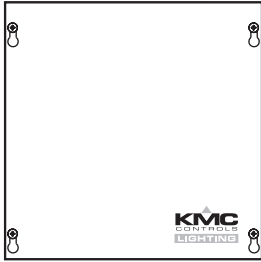
Wiring

- ◆ Factory prewired and tested
- ◆ System Communications: Low voltage Class 2 (PELV) wiring connects cabinets to external controls
- ◆ Line (mains) voltage: Feed (for Control Electronics) and Load wiring only. No other wiring or assembly required.



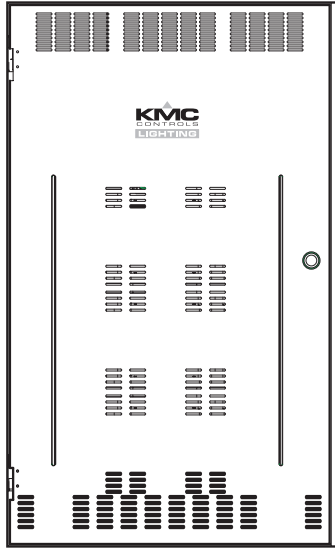
Sources

- ◆ Incandescent (Tungsten) and Halogen
- ◆ Magnetic Low Voltage Transformer
- ◆ Electronic Low Voltage Transformer
- ◆ Neon or Cold Cathode
- ◆ Magnetic and Electronic Fluorescent Lamp Ballasts
- ◆ HID
- ◆ Motor Loads (1 HP at 120 volts, 2 HP at 277 volts, 2 HP at 480 volts)



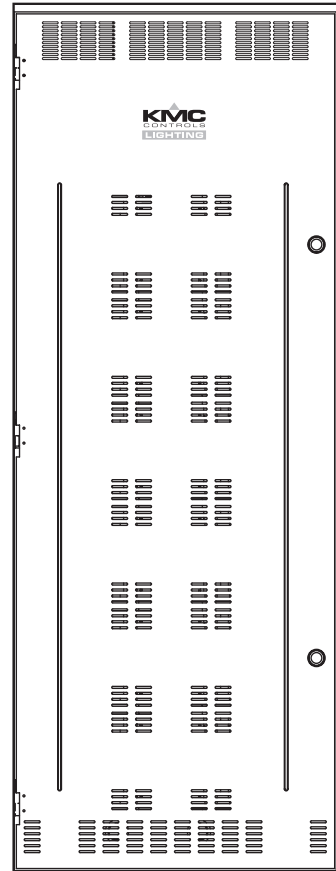
**L900-RE4SD-104 and
L900-RE4SD-204**

All Voltages
Up to 4 relays



L900-R24SD-000

All voltages
Up to 24 relays



L900-R48SD-000

All voltages
Up to 48 relays

Dimensions

**L900-RE4SD-104 and L900-RE4SD-204:
4-relay expansion cabinets**

Wide	High	Deep
10.00 in.	10.00 in.	4.00 in.
254 mm	254 mm	102 mm

L900-R24SD-000: 24-relay expansion cabinet

Wide	High	Deep
20.25 in.	34.00 in.	4.00 in.
514 mm	864 mm	102 mm

L900-R48SD-000: 48-relay expansion cabinet

Wide	High	Deep
20.25 in.	54.00 in.	4.00 in.
514 mm	1372 mm	102 mm

Installation

Power

- ◆ Input Power: 120, 277, and 347 volts AC. All voltages 50/60Hz, phase to neutral
- ◆ Lifetime power failure memory: restores lighting to levels prior to power interruption
- ◆ User adjustable for either sequential or non sequential cycling of relays

Construction

- ◆ NEMA-Type 1 enclosure, IP-20 protection;
- ◆ #16 U.S. Gauge Steel. Indoors only.

Mounting

- ◆ Surface or recess mount
- ◆ Recessed mounting flanges available

Regulatory standards

- ◆ UL 924
- ◆ UL and CUL Listed (Reference: UL File EI23072)
- ◆ CEC Title 24 Compliant
- ◆ ASHRAE 90.1 Compliant

Environment

- ◆ 32 to 104° F (0 to 40° C)
- ◆ Relative humidity less than 90% non-condensing.
- ◆ For indoor use only.

Ordering information

Order the following expansion lighting cabinet model numbers:

Model number	Ordering description
L900-RE4SD-104	Panel ; Expansion ; with 4 Single Pole Relays
L900-RE4SD-204	Panel ; Expansion ; with 4 Double Pole Relays
L900-R24SD-000	Panel ; Expansion ; 24 Relay Capacity
L900-R48SD-000	Panel ; Expansion ; 48 Relay Capacity

Accessories

Relays

The following relays are available for installation in KMC Controls lighting cabinets. Complete relay specifications are listed in the datasheet "Lighting Control Relays".

Model number	Ordering description
L211-RELAY-ST2	Relay; 120/277V 20A Single Pole N.C.; (8) per carton
L202-RELAY-2PL	Relay; 120/277V 20A Double Pole N.O.; (8) per carton
L200-RELAY-1NC	Relay; 120/277V 20A Single Pole N.C.; (8) per carton
L201-RELAY-2NC	Relay; 120/277V 20A Double Pole N.C.; (8) per carton
L203-RELAY-347	Relay; 347V, 20A Single Pole N.O. (8) per carton.
L206-RELAY-LAT	Relay; 120/277V 20A Single Pole Latching; (8) per carton

Voltage barrier

Add between every eight relays in 24 and 48 relay cabinets.

Model number	Ordering description
LRAC00-VBR	Barrier; Voltage; To be used between groups of (8) relays

Input card

Model number	Ordering description
LRAC00-SIB	Input Card; 36 Input; For 24 & 48 Relay Panel



KMC Controls, Inc.
19476 Industrial Drive
New Paris, IN 46553
574.831.5250
www.kmcontrols.com
info@kmcontrols.com