Project		Catalog #		Type	
Prepared by		Notes		Date	

Greengate

LK16 & LK32

LiteKeeper 16 & 32

Interactive Menu

- Order Information page 2
- Additional Resources page 3
- Wiring Diagrams page 4
- Product Warranty

Product Certification

c UL us

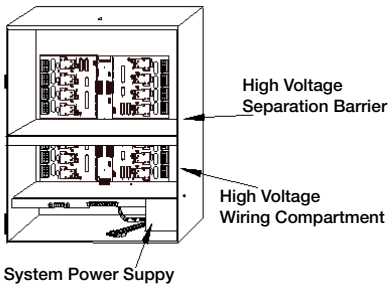
Top Product Features

- Capable of mixed load voltages (120/277/347 VAC) as well as mixed sources (i.e. normal and emergency power)
- Manual and programmable control of each relay via a simple keypad and 4 line LCD display
- Normally open, latched, and two pole parallel relays available
- Flush mount kit and voltage separation barrier available
- Capable of controlling receptacle loads

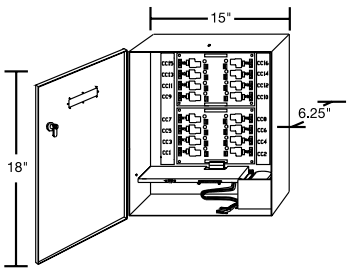
Dimensional and Mounting Details

Enclosure

High Voltage Barrier and Dividers



LK16



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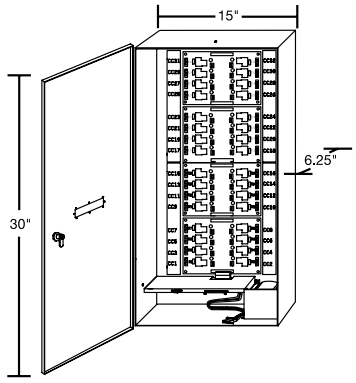


additional product diagrams

Order Information

SAMPLE ORDER NUMBER: **LK16, LK32**

All LiteKeeper lighting control panels require a Logic Board (LK-LB).
The logic board is shipped separately from the enclosure and is listed as a separate line item. When ordering any of the below models, you must also order the LK-LB.

Catalog Number	Description
LK-LB	LiteKeeper Logic Board (required per enclosure)
LK16 FK	LiteKeeper 16 size Flushmount Kit (option)
LK32 FK	LiteKeeper 32 size Flushmount Kit (option)

LK16	120/277	S1	L1	M0	T0	HVB1
Product Size	Voltage	# of SRC's	# of LRC's	# of MRC's	# of TPRC's	# of High Voltage Barriers
LK16= LiteKeeper 16 **LK32=** LiteKeeper 32	**120/277** **220/230** **120/347**	**0-2 Cards** = 16 Size **0-4 Cards** = 32 Size (See XRC cut sheet)	**0-2 Cards** = 16 Size **0-4 Cards** = 32 Size (See XRC cut sheet)	**0-2 Cards** = 16 Size **0-4 Cards** = 32 Size (See XRC cut sheet)	**0-2 Cards** = 16 Size **0-4 Cards** = 32 Size (See XRC cut sheet)	**0-1** = 16 Size **0-3** = 32 Size Factory installed in the lowest location of the panel

Product Specifications

Enclosure
- NEMA 1 surface mount, lockable

Mechanical
Size:
- LK16: 18"H X 15"W X 6.25"D (up to 16 relays)
- LK32: 30"H X 15"W X 6.25"D (up to 32 relays)

Environment:
- **Operating temperature:** 32°F to 122°F (0°C to 50°C)

Transformer Ratings
Input Requirements:
- Multi-tapped 120/277 VAC internally fused standard
- Optional 347 VAC internally fused

Master Override
- ON/AUTO/OFF

Programming
- Onboard keypad and LCD display
- Optional PC Software

Standard Relay Ratings
- 20A, 120/277VAC per relay
- 10A, 120/277VAC electrontic ballast, (LED)
- Normally open
- Max wire size: 10 AWG
- Mechanical operations: 10 million

Latching Relay Ratings
- 20A, 120/277VAC electronic ballast (LED)
- 15A, 347 VAC
- Maximum wire size: 6 AWG
- Mechanical operations: 10 million
- Provides a system SCCR rating of 10,000A

Two Pole Relay Ratings
- 20A, 208/240/480 VAC
- Normally open
- Maximum wire size: 6 AWG
- Mechanical operations: 10 million

Standards/Ratings
- UL 916 Listed
- UL 924 with RIM

Warranty
Five year warranty standard

Overview

The LiteKeeper stand-alone lighting control panel is an all-inclusive premium grade system for applications that would traditionally use a timeclock in conjunction with contactors. Control up to 32 relays per panel. Several relay options and more standard features than any other stand-alone panel on the market combine to create a state of the art stand-alone lighting control system.

System Includes:

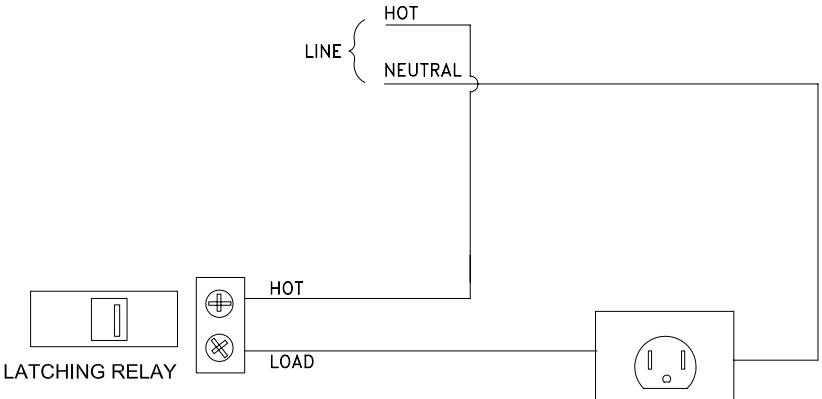
- UL listed – UL 916 standard
- NEMA 1 enclosure
- 32 low voltage input connections
- Digital Switch Interface
- Time schedules with astronomic clock
- Prioritization and masking of switch inputs, time schedules and remotes
- Timed inputs
- Occupant warn-off and overrides
- Keypad and 4 line LCD display
- RS-232 port standard
- UL Listed - UL 924 with RIM
- Controls receptacle loads with latching relay card

Accessories:

- Keeper Enterprise Software
- Ethernet Interface Module
- Greengate Digital Switch (GDS)
- Dry Contact Switches
- Contact Input Photosensor
- Occupancy Sensor
- Voltage Separation Barrier
- Flush Mount Kit
- CEPC (UL 924 Accessory)
- RRU

Wiring Diagrams

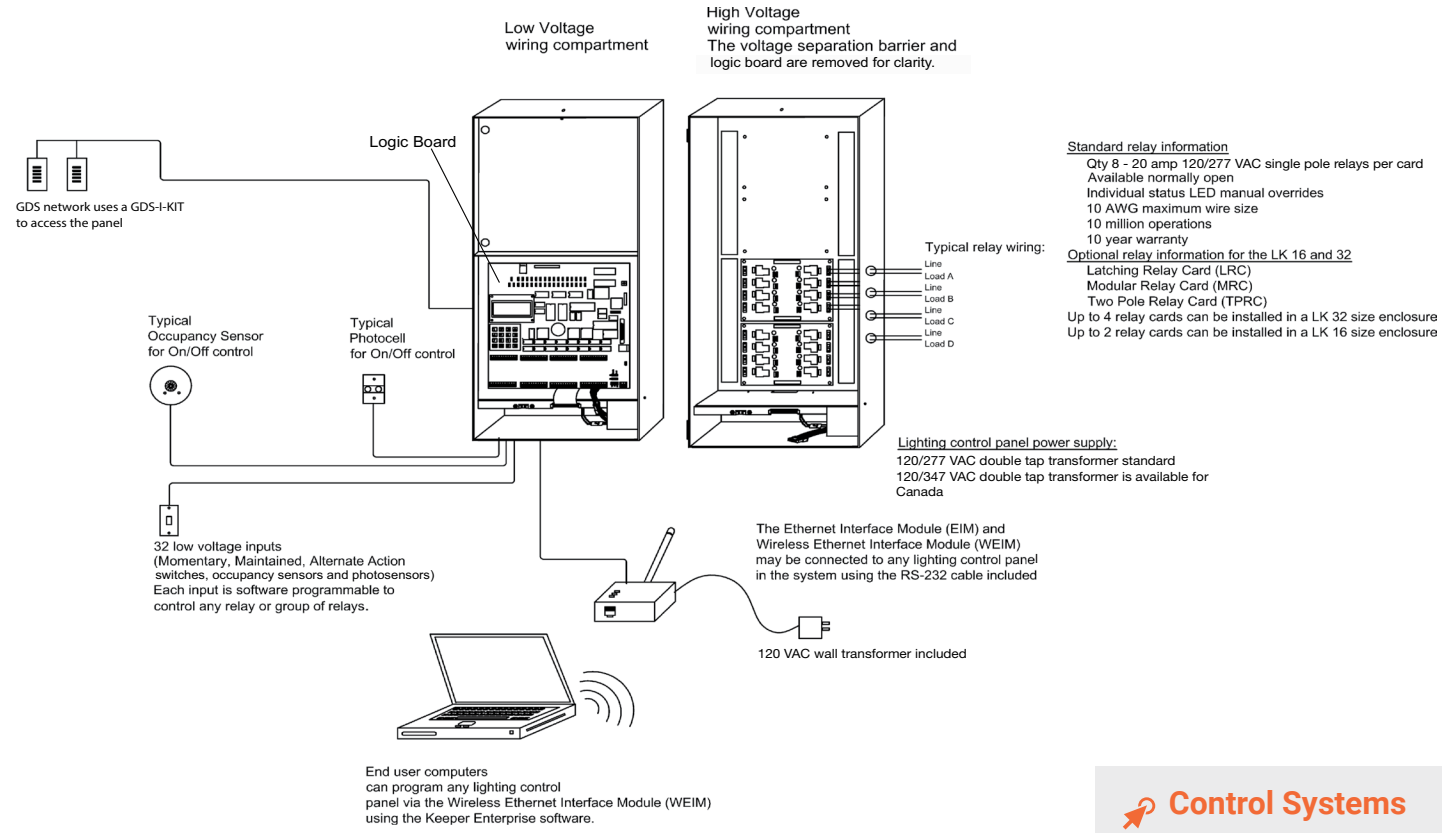
Latching Relay Receptacle Control



INPUT VOLTAGE:
120V, 50/60Hz

CONTACT RATINGS:
20A 120VAC BALLAST
16A 120VAC INCANDESCENT
20A 277VAC BALLAST
1.5HP 120VAC

Sample One-Line



Control Systems

- Greengate

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Specifications and dimensions
subject to change without notice.