LK8 – LiteKeeper 8

Overview
The LiteKeeper 8 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 8 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.

Features
- Manual and programmable control of each relay via a simple keypad and 2 line LCD display
- Normally open, latched and two pole relays available
- Uses parallel relay cards
- Flush mount kit available
- Capable of controlling receptacle loads
## Specifications

<table>
<thead>
<tr>
<th>Enclosure</th>
<th>NEMA 1 surface mount, lockable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>14”H x 9.5”W x 5”D or 7”D</td>
</tr>
<tr>
<td>Transformer Ratings</td>
<td>Multi-tapped 120/277 VAC internally fused standard</td>
</tr>
<tr>
<td></td>
<td>Optional 347 VAC internally fused</td>
</tr>
<tr>
<td>Power Use Ratings</td>
<td>Fully loaded panel 40 watts</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>Temperature: 32°F to 122°F (0°C to 50°C)</td>
</tr>
<tr>
<td>Master Override</td>
<td>ON/AUTO/OFF</td>
</tr>
<tr>
<td>Programming</td>
<td>Onboard keypad and LCD display</td>
</tr>
<tr>
<td></td>
<td>Optional PC Software</td>
</tr>
<tr>
<td>Standard Relay Ratings</td>
<td>20A, 120/277 VAC</td>
</tr>
<tr>
<td></td>
<td>Normally open</td>
</tr>
<tr>
<td></td>
<td>Maximum wire size: 10 AWG</td>
</tr>
<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
</tr>
<tr>
<td>Latching Relay Ratings</td>
<td>20A, 120/277 VAC</td>
</tr>
<tr>
<td></td>
<td>15A, 347 VAC</td>
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<tr>
<td></td>
<td>Maximum wire size: 6 AWG</td>
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<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
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<tr>
<td></td>
<td>Provides a system SCCR rating of 10,000A</td>
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<tr>
<td>Two Pole Relay Ratings</td>
<td>20A, 208/240/480 VAC</td>
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<tr>
<td></td>
<td>Normally open</td>
</tr>
<tr>
<td></td>
<td>Maximum wire size: 6 AWG</td>
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<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
</tr>
<tr>
<td>Standards</td>
<td>UL Approval</td>
</tr>
<tr>
<td></td>
<td>UL 916 Listed</td>
</tr>
</tbody>
</table>

## Accessories

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

## Dimensions

### Enclosure

![Enclosure Diagram]

- LK8: 9.5” x 14” x 5”
- LK8-LRC, MRC, TPRC: 9.5” x 14” x 7”

## System Includes

- UL Listed – UL 916 standard
- NEMA 1 enclosure
- 8 relays
- 8 low voltage input connections
- Time schedules with astronomic clock
- Prioritization and masking of switch inputs, time schedules and remotes
- Timed inputs
- Occupant warn-off and overrides
- Keypad and 2 line LCD display
- RS-232 port standard
Wiring Diagram
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

GDS Network uses a GDS-I-KIT to access the panel

Low Voltage wiring compartment
High Voltage wiring compartment

Typical Occupancy Sensor for On/Off control
Typical Photocell sensor for On/Off control

8 low voltage inputs
(Momentary, Maintained, Automatic Action switches, occupancy sensors and photocells)

Each input is software programmable to control any relay or group of relays

End user computers can program any lighting control panel via the Wireless Ethernet Interface Module (WEM) using the Keeper Enterprise software.

Sample One-Line

GDS Network uses a GDS-I-KIT to access the panel

Low Voltage wiring compartment
High Voltage wiring compartment

Typical relay wiring

Standard relay information

Qty 9 – 20 amp 120/277VAC single pole relays
Available normally open
Individual status LED manual overrides
10 AWG maximum wire size
10 million operations
15 year warranty

Optional relay information for the LK 8

Latching Relay Card (LR)
Modular Relay Card (MRC)
Two Pole Relay Card (TPRC)

Lighting control panel power supply:
120/277VAC double-tap transformer standard
120/277VAC double-tap transformer is available for Canada

The Ethernet Interface Module (EM) and
Wireless Ethernet Interface Module (WEM)
may be connected to any lighting control panel in the system using the RS-485 cable included

120 VAC wall transformer included
Ordering

<table>
<thead>
<tr>
<th>Product</th>
<th>Voltage</th>
</tr>
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<tbody>
<tr>
<td>LK8 = LiteKeeper 8</td>
<td>Blank = 120/277 VAC</td>
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<tr>
<td></td>
<td>Blank = Canada 347 VAC Transformer</td>
</tr>
</tbody>
</table>

Options

- Blank = Standard Relay Card (See XRC Spec Sheet)
- LRC = Latching Relay Card (See XRC Spec Sheet)
- MRC = Modular Relay Card (Does not include Relays; see XRC Spec Sheet)
- TPRC = Two Pole Relay Card (Does not include Relays; see XRC Spec Sheet)

Additional Options

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Description</th>
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<tbody>
<tr>
<td>LK8 FK</td>
<td>LiteKeeper 8 size Flushmount Kit (Option)</td>
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