Parallel Relay Cards
(Litekeeper Relay Panels)

Overview
The Parallel Relay Card is a standard feature in the LiteKeeper lighting control systems. Each Parallel Relay Card contains 8, 20 Amp relays. Specify up to 4 total relay cards per enclosure.

Features
- UL and cUL listed system
- Modular design
- 8 single pole or 4 two pole parallel relays per card
- LRC controls receptacle loads
- LED ready
Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Standard Relay Card (SRC)</th>
<th>Latching Relay Card (LRC)</th>
<th>Modular Relay Card (MRC)</th>
<th>Two Pole Relay Card (TPRC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Max Article Size</strong></td>
<td>10A, 120/277VAC electronic ballast, (LED)</td>
<td>15A, 347 VAC</td>
<td>20A, 208/240/480 VAC normally open</td>
<td>Maximum wire size: 12 AWG</td>
</tr>
<tr>
<td><strong>Mechanical Operations</strong></td>
<td>Normally open</td>
<td>Maximum wire size: 6 AWG</td>
<td>Mechanical operations: 10 million</td>
<td>Mechanical operations: 60,000</td>
</tr>
<tr>
<td><strong>Max Wire Size</strong></td>
<td>Max wire size: 10 AWG</td>
<td>Maximum wire size: 6 AWG</td>
<td>Provides a system SCCR rating of 10,000A</td>
<td>Maximum wire size: 10 AWG (SRM) or 6 AWG (LRM, TPRM)</td>
</tr>
</tbody>
</table>

Description/Operation

Electronic arc suppression is incorporated into the relay design, prolonging contact life. Self aligning connectors on the Parallel Relay Card allow easy field expansion. You can add another standard or any of the optional relay cards to a system at any time (enclosure size allowing).

Installation

No additional installation required. The Parallel Relay Card(s) (xRCs) attach directly to your specified enclosure.

Wiring Diagram

Standard Relay Card (SRC) wiring:

From branch circuit 1
To single pole load A
From branch circuit 2
To single pole load B
From branch circuit 3
To single pole load C
From branch circuit 4
To single pole load D

10 AWG max. wire size

Lighting control panel power supply:
120/277 VAC double tap transformer standard
120/347 VAC double tap transformer is available for Canada

Latch Relay Receptacle Control

CONTACT RATINGS:
20A 120VAC BALLAST
16A 120VAC INCANDESCENT
20A 277VAC BALLAST
1.5HP 120VAC
Parallel Relay Cards (Litekeeper Relay Panels)

Ordering
This is a standard feature in the LiteKeeper lighting control systems. When specifying one of these systems, specify enclosure size and types of relay cards. Mix and match any combination of standard and optional relay cards to create a custom system tailored to meet your needs.

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Relay Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRC</td>
<td>Standard Relay Card with 8, 20A 120/277VAC max per relay, 10A electronic or LED load single pole normally open relays</td>
</tr>
<tr>
<td>LRC</td>
<td>Latching Relay Card with 8, 20A 120/277/347 VAC latching relays 20A electronic ballast (LED)</td>
</tr>
</tbody>
</table>

**MRC Relay Card Options for LK8, LK16, LK32**

<table>
<thead>
<tr>
<th>MRC</th>
<th>Modular Relay Card (Included in LK8 w/MRC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRM NO</td>
<td>Standard Relay Module Card 20A 120/277VAC max per relay, 10A electronic or LED load, single pole normally open relay (1 relay space)</td>
</tr>
<tr>
<td>TPRM NO</td>
<td>Two Pole Module 20 Amp 208/240/480 VAC two pole normally open relay (2 relay spaces)</td>
</tr>
</tbody>
</table>

**TPRC Relay Card Options for LK8, LK16, LK32**

<table>
<thead>
<tr>
<th>TPRC</th>
<th>Two Pole Relay Card (Included with LK8 w/TPRC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPR347</td>
<td>Single Pole Relay Card 20 Amp 120/277/347 VAC single pole relay (1 relay space)</td>
</tr>
<tr>
<td>TPR208</td>
<td>Two Pole Relay Card 20 Amp 208/240 VAC two pole relay (1 relay space)</td>
</tr>
<tr>
<td>TPR480</td>
<td>Two Pole Relay Card 20 Amp 480 VAC two pole relay (2 relay spaces)</td>
</tr>
</tbody>
</table>

**Standard Relay Card**
* 10A LED loads

**Modular Relay Card**

**Latching Relay Card**
* Controls Receptacle Loads
* 20A LED loads

**Two Pole Relay Card**