Serial Relay Cards
(CKT & CK4A Relay Panels)

Overview
The Serial Relay Card is a paradigm shift in the industry. A new serial communication approach greatly enhances system function allowing the controller to talk to the intelligent relays. The Serial Relay Card is a standard feature in ControlKeeper TouchScreen and ControlKeeper 4A lighting control systems. It provides up to four relays per card, depending on type.

Features
- UL and cUL Listed System
- Rated for 10 million mechanical operations
- Relay override for each relay
- LED status indication of relay state
- Communication LED for system diagnostics
- 4 single pole or 2 two pole relays
- SLRC controls receptacle load
- LED ready

Serial Relay Cards
(CKT & CK4A Relay Panels)
### Specifications

<table>
<thead>
<tr>
<th>Serial Standard Relay Card (SSRC) Ratings</th>
<th>20A, 120/277VAC per relay</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10A, 120/277VAC electronic ballast, (LED)</td>
</tr>
<tr>
<td></td>
<td>Normally open</td>
</tr>
<tr>
<td></td>
<td>Max wire size: 10 AWG</td>
</tr>
<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Serial Latching Relay Card (SLRC) Ratings</th>
<th>20A, 120/277 VAC electronic ballast (LED)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15A, 347 VAC</td>
</tr>
<tr>
<td></td>
<td>Maximum wire size: 6 AWG</td>
</tr>
<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
</tr>
<tr>
<td></td>
<td>Provides a system SCCR rating of 10,000A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Serial Two Pole Relay Card (STPRC) Ratings</th>
<th>20A, 120/277/347/208/240/480 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Normally Open</td>
</tr>
<tr>
<td></td>
<td>Maximum wire size: 6 AWG</td>
</tr>
<tr>
<td></td>
<td>Mechanical operations: 10 million</td>
</tr>
</tbody>
</table>

**Standards**

- UL Approval
- UL 916 Listed
- UL us

### Description/Operation

The IntelliRelay design provides a communication protocol between the controller board and the relays. The controller polls the relays to ascertain their configuration and their location. The controller then builds them into the system automatically. The installer or end user does not need to spend time configuring the relays in the controller.

### Wiring Diagram

#### Serial Standard Relay Card (SSRC-NO) 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

#### Lighting control panel power supply:

- 120/277 VAC double tap transformer standard
- 120/347 VAC double tap transformer is available for Canada
- 220/230 VAC double tap transformer is available for ROW

#### Latching Relay Receptacle Control

- **INPUT VOLTAGE:** 120V, 50/60Hz
- **CONTACT RATINGS:**
  - 20A 120VAC BALLAST
  - 16A 120VAC INCANDESCENT
  - 20A 277VAC BALLAST
  - 1.5HP 120VAC
### Serial Relay Cards

**Serial Standard Relay Card**
- *10A LED load*

**Serial Latching Relay Card**
- *20A LED load*

**Serial Two Pole Relay Card**

---

**Ordering**

<table>
<thead>
<tr>
<th>Catalog #</th>
<th>Relay Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSRC NO</td>
<td>Serial Standard Relay Card, normally open</td>
</tr>
<tr>
<td>SLRC</td>
<td>Serial Latching Relay Card</td>
</tr>
<tr>
<td>STPRC NO</td>
<td>Serial Two Pole Relay Card, normally Open</td>
</tr>
</tbody>
</table>

Specifications and dimensions subject to change without notice.