Z-MAX™ Plus Relay Cards

DESCRIPTION
Leviton’s Z-MAX Plus Relay Cards are the “heart” of the Z-MAX Plus system providing the actual control of the load as directed by the control electronics. Z-MAX Plus products use individual relay cards for each circuit allowing for the most flexibility in matching the relay type to your specific requirements. The benefit of a single relay card for a single circuit allows an infinite arrangement of relay type to position in your system and supports individual replacement should the need ever occur. For maximum equipment protection, the standard 30A relay card with handle has a short circuit current rating (SCCR) of 20,000A to allow it to withstand higher current inrushes caused by short circuit conditions.

<table>
<thead>
<tr>
<th>RELAY TYPE</th>
<th>WIRE SIZE</th>
<th>WIRE TYPE</th>
<th>TORQUE</th>
<th>MAX VOLTAGE</th>
<th>TUNGSTEN RATING (120V)</th>
<th>BALLAST RATING</th>
<th>MOTOR RATING (120V/277V)</th>
<th>INDUCTIVE BALLAST TRANSFORMER, HID RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Pole N/O or N/C Relay Card w/Manual Override (20,000 SCCR) (RELAY-L30)</td>
<td>#14-#8 AWG</td>
<td>Solid or Stranded</td>
<td>16 in-lbs</td>
<td>277V</td>
<td>20A</td>
<td>30A</td>
<td>1/2 HP/1 HP</td>
<td>30A</td>
</tr>
<tr>
<td>1-Pole N/O or N/C Relay Card (18,000 SCCR) (RELAY-030)</td>
<td>#14-#8 AWG</td>
<td>Solid or Stranded</td>
<td>16 in-lbs</td>
<td>277V</td>
<td>20A</td>
<td>30A</td>
<td>1/2 HP/2 HP</td>
<td>30A</td>
</tr>
<tr>
<td>2-Pole N/O Relay Card (RELAY-2PL)</td>
<td>#14-#6 AWG</td>
<td>Solid or Stranded</td>
<td>20.5 in-lbs</td>
<td>277V Per Pole (480V)</td>
<td>-</td>
<td>20A</td>
<td>2 HP @ 240V &amp; 480V</td>
<td>20A</td>
</tr>
<tr>
<td>1-Pole N/C Relay Card (RELAY-1NC)</td>
<td>#14-#8 AWG</td>
<td>Solid or Stranded</td>
<td>7 in-lbs</td>
<td>277V</td>
<td>20A</td>
<td>20A</td>
<td>1 HP/2 HP</td>
<td>20A</td>
</tr>
<tr>
<td>2-Pole N/C Relay Card (RELAY-2NC)</td>
<td>#14-#6 AWG</td>
<td>Solid or Stranded</td>
<td>20.5 in-lbs</td>
<td>277V Per Pole (480V)</td>
<td>-</td>
<td>20A</td>
<td>2 HP @ 240V &amp; 480V</td>
<td>20A</td>
</tr>
<tr>
<td>347V N/O Relay Card (RELAY-347)</td>
<td>#14-#6 AWG</td>
<td>Solid or Stranded</td>
<td>20.5 in-lbs</td>
<td>347V</td>
<td>-</td>
<td>20A</td>
<td>-</td>
<td>20A</td>
</tr>
</tbody>
</table>
Z-MAX Plus Relay Cards

FEATURES
- Reporting relay cards* report the following:
  - Control status
  - Amount of current flow
  - Current deviates from recorded level
  - Failed relay
  - Relay cards individually replaceable
  - Mechanical attachment to panel of each relay card is with a single screw
  - Listed for use with ballasted loads
  - From the panel, each relay card can be controlled as follows:
    - Override On
    - Override Off
    - Locked Override On
    - Locked Override Off
    - Timed On
    - Timed Override Off
  - 10 year warranty on relay cards

Environmental
- Operating Temperature Range: 32-104°F (0-40°C)
- Relative Humidity: less than 90% non-condensing

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELAY-L30</td>
<td>1-Pole N/O or N/C Relay Card with Manual Override, 30A, 120-277V, 347V, 20A Ballast</td>
</tr>
<tr>
<td>RELAY-030</td>
<td>1-Pole N/O or N/C Relay Card, 30A, 120-277V</td>
</tr>
<tr>
<td>RELAY-2PL</td>
<td>2-Pole, N/O Relay Card, 20A, 208-480V</td>
</tr>
<tr>
<td>RELAY-1NC</td>
<td>1-Pole N/C Relay Card, 20A, 120-277V</td>
</tr>
<tr>
<td>RELAY-2NC</td>
<td>2-Pole N/C Relay Card, 20A, 208-480V</td>
</tr>
<tr>
<td>RELAY-347</td>
<td>347V N/O Relay Card, 20A, 347V</td>
</tr>
</tbody>
</table>

* Consult factory for availability.

TYPICAL WIRING DIAGRAMS

30A Relay Card with Manual Override

2-Pole Relay Card

347V Relay Card

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