The NX Series Network Lighting Control Panels are a key component in a NX Network Lighting Control System, providing programmable switching and dimming control of the project's lighting circuits. Panels are equal peers on the network and can have relays and dimmers controlled individually or in groups by any local input, system input, schedule, preset, photocell, or building automation system. Panels can be used exclusively or be part of a hybrid system that includes wired room controllers comprising a distributed control strategy. Web browser based setup and programming. *

*Requires NXAC-120 Area Controller

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**Product Features**

- Available as 8, 16, 24, 32 or 48 relay spaces
- Individually replicable relays for simple service
- Latching relays with integral override button
- Optional two pole relay, electrically held, non emergency, field installed in single relay position
- Multi-channel 0 - 10V dimming option
- Astronomical real time clock
- Downloadable schedules run in each panel
- Web browser user interface served from NXAC Area Controller
- High speed Ethernet networking
- Programmable dry contact low voltage inputs and outputs
- Direct connection of low voltage switches, occupancy sensors, and daylight sensors
- Programmable digital switches connect via HubbNET™ network
- Listed to UL916, UL924 and cUL
- Suitable for use on emergency lighting circuits (requires NXR-3LEM relay)
- Five year limited warranty

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**Compliance and Certification**

**Dimensional Data**
### NXPS SERIES

**Lighting Control Panels and Relays**

### Ordering Information

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TRIM</th>
<th>COMPLETE PANEL WITH RELAYS INSTALLED</th>
<th>PANELS WITH SPACE FOR EXPANSION</th>
<th>PANELS WITH SPACE ONLY - NO RELAYS INSTALLED</th>
<th>OPTIONAL RELAYS (ORDER SEPARATELY, FIELD INSTALLED)</th>
<th>OPTIONAL DIMMING CARD (ORDER SEPARATELY, FIELD INSTALLED)</th>
<th>*ALTERNATE VOLTAGE OPTION</th>
<th>NOTE: Dimming Card Install Limits:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NXP</td>
<td>S</td>
<td><strong>08 - 2&quot; - 083L</strong> 8 space panel with 8 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>08 - 2&quot; - 043L</strong> 8 space panel with 4 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>08 - 2&quot; - 005P</strong> 8 space panel with no relays, 120/277 volts, 50/60 Hz</td>
<td><strong>NXR-TN</strong> Two pole, electrically held, normally open, 240/208/480V, 20A - 50/60Hz</td>
<td><strong>DIM8</strong> Eight 0 - 10 volt dimming channel outputs, 100 mA each dimmer</td>
<td>3 347 volts, 50/60 Hz</td>
<td><strong>Flush Covers (Ordered Separately, Field Installed)</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>16 - 2&quot; - 163L</strong> 16 space panel with 16 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>16 - 2&quot; - 083L</strong> 16 space panel with 8 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>16 - 2&quot; - 005P</strong> 16 space panel with no relays, 120/277 volts, 50/60 Hz</td>
<td><strong>NXR-TC</strong> Two pole, electrically held, normally closed, 240/208/480V, 20A - 50/60 Hz</td>
<td><strong>NXP24</strong> 2 cards, 16 dimmers total</td>
<td><strong>NXP08</strong> 1 card, 8 dimmers</td>
<td><strong>NXP24</strong> 2 cards, 12 dimmers total</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>24 - 2&quot; - 243L</strong> 24 space panel with 24 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>24 - 2&quot; - 163L</strong> 24 space panel with 16 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>24 - 2&quot; - 005P</strong> 24 space panel with no relays, 120/277 volts, 50/60 Hz</td>
<td><strong>NXR-3LEM</strong> Single pole, latching, normally closed, 120/277/347 volts, 50/60 Hz, suitable for use on emergency circuits, meets NEC Article 700 requirements</td>
<td><strong>NXP32</strong> 3 cards, 24 dimmers total</td>
<td><strong>NXP16</strong> 1 card, 4 dimmers</td>
<td><strong>NXP32</strong> 3 cards, 12 dimmers total</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>32 - 2&quot; - 323L</strong> 32 space panel with 32 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>32 - 2&quot; - 243L</strong> 32 space panel with 24 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>32 - 2&quot; - 005P</strong> 32 space panel with no relays, 120/277 volts, 50/60 Hz</td>
<td></td>
<td><strong>NXP48</strong> 4 cards, 32 dimmers total</td>
<td><strong>NXP24</strong> 2 cards, 8 dimmers</td>
<td><strong>NXP48</strong> 4 cards, 12 dimmers total</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>48 - 2&quot; - 483L</strong> 48 space panel with 48 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>48 - 2&quot; - 323L</strong> 48 space panel with 32 single pole latching relays, 120/277 volts, 50/60 Hz</td>
<td><strong>48 - 2&quot; - 005P</strong> 48 space panel with no relays, 120/277 volts, 50/60 Hz</td>
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</tbody>
</table>

### Wiring Information

![Diagram of NXPS SERIES panels and relays]

*Flush Covers (Ordered Separately, Field Installed)*
- **NXP24** Flush cover for 16 and 24 size panel
- **NXP32** Flush cover for 32 size panel
- **NXP48** Flush cover for 48 size panel

**Flush Covers (Ordered Separately, Field Installed)**
- **NXP24** Flush cover for 16 and 24 size panel
- **NXP32** Flush cover for 32 size panel
- **NXP48** Flush cover for 48 size panel

*Note: Dimming Card Install Limits:*
- **NXP08** 1 card, 8 dimmers
- **NXP24** 2 cards, 16 dimmers total
- **NXP32** 3 cards, 24 dimmers total
- **NXP48** 4 cards, 32 dimmers total

*Alternate Voltage Option:*
- **3** 347 volts, 50/60 Hz
### General Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Network Interface</strong></td>
<td>Ethernet 10 base-T via HubbNET™ network cable, integral 2-port Ethernet hub</td>
</tr>
<tr>
<td><strong>Programming and Configuration</strong></td>
<td>Programmable via web browser user interface, requires NXAC Area Controller</td>
</tr>
<tr>
<td><strong>Physical</strong></td>
<td>NEMA 1 surface enclosure&lt;br&gt;Pre-drilled mounting holes for mounting to wall&lt;br&gt;KOs provided on top and bottom&lt;br&gt;8, 24, 32, and 48 relay enclosures, with hinged locking door</td>
</tr>
<tr>
<td><strong>Electrical Input</strong></td>
<td>120/277VAC Standard&lt;br&gt;347VAC Optional</td>
</tr>
<tr>
<td><strong>Relays</strong></td>
<td>Single pole latching with integral override button&lt;br&gt;30A @ 120/277V (18K SCCR)&lt;br&gt;20A @ 347V (14K SCCR)&lt;br&gt;16A electronic ballast or LED driver&lt;br&gt;Optional double pole:&lt;br&gt;20A @ 208/240/480V (14K SCCR)</td>
</tr>
<tr>
<td><strong>Operating Environment</strong></td>
<td>Interior, dry location&lt;br&gt;Operating temperature, 0° to 50°C (32° to 112°F)&lt;br&gt;Relative humidity (non-condensing): 10% to 90%</td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
<td>Listed to UL916, UL924 and cUL</td>
</tr>
<tr>
<td><strong>Warranty</strong></td>
<td>Five-year limited</td>
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</tbody>
</table>