### Technical Data

**WP-PP20-2P-D**  
**2-Pole Power Pack**

<table>
<thead>
<tr>
<th>PART No.</th>
<th>FEATURES</th>
</tr>
</thead>
</table>
| WP-PP20-2P-D   | • Designed for use with Diversa occupancy sensors and Diode Pulse relays.
| 2-Pole 120/277VAC | • 2 pole
|                | • 120/277 VAC                                                           |

#### Load Voltage
- 120/277 VAC
- 60 Hz

#### Switching Load
- 120/277 VAC
- 2-Pole Independent Switching
- See Table for contact rating
- Use #14 AWG Wire

#### Inputs
- Diode Pulse
- #18AWG wire

#### Output Power Source
- 24 VAC, 150 mA
- #14AWG wire

#### Approvals
- Certified to CAN/CSA Std. C22.2 No. 14
- Conforms to UL 508 Standard
- FCC
- Title 24
- Class 2 Power Supply
- Plenum Rated UL2043

#### Environment
- Indoors, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity
- Ambient Operating Temperature: 14°F to 140°F (-10°C to 60°C)
- Storage Temperature: -14°F to 140°F (-25°C to 60°C)

### Operation

The WP-PP20-2P-D Power Pack work in conjunction with the Diversa Low Voltage Sensors by providing power to the sensors and receiving on/off commands from the sensor.

### Contact Load Rating

<table>
<thead>
<tr>
<th>Voltage</th>
<th>General</th>
<th>Tungsten</th>
<th>Standard Ballast</th>
<th>Electronic Ballast</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V</td>
<td>20A</td>
<td>20A</td>
<td>20A</td>
<td>16A</td>
</tr>
<tr>
<td>277V</td>
<td>20A</td>
<td>20A</td>
<td>20A</td>
<td>16A</td>
</tr>
</tbody>
</table>

All Power Packs provide a 24 VAC secondary source for use with the Low Voltage Diversa Sensors and other Diode Pulse devices. All switches or loads required to be supported by the sensor must be included in the loading capacity of the Power Pack.

### Maximum Load Per Input

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Max # of linked sensors</th>
</tr>
</thead>
<tbody>
<tr>
<td>24VAC</td>
<td>10</td>
</tr>
</tbody>
</table>

### Typical Low Voltage Loads

<table>
<thead>
<tr>
<th>Device</th>
<th>Part #</th>
<th>Current (mA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling Mounted Sensor</td>
<td>WOR/WVR</td>
<td>9.5 mA Standard</td>
</tr>
<tr>
<td>Wall Switch Sensor</td>
<td>WOS/WVS</td>
<td>14.0 mA w/ Aux Relay</td>
</tr>
<tr>
<td>Wall Mount sensor</td>
<td>WOW/WWW</td>
<td>4 mA</td>
</tr>
<tr>
<td>Diode Pulse Switch</td>
<td>WR-8601</td>
<td></td>
</tr>
</tbody>
</table>
Installation
The power pack shall be mounted inside an electrical junction box or panel with a ½” threaded nipple.

Wiring Instructions

**CAUTION**
TURN POWER OFF AT THE CIRCUIT BREAKER BEFORE WORKING WITH OR NEAR HIGH VOLTAGE

The power packs are equipped with #14 AWG stranded leads. Use appropriate sized wire-nuts to connect the wires to the incoming load terminations. For installation with field-installed conductors of 60°C minimum rating.

Electrical Connections

Dimensions & Mounting
The power pack shall be mounted inside an electrical junction box or panel with a ½” threaded nipple.