These instructions cover the following parts:

![PS902 Power Supply - Pages 1-3](image1)

900-KL Keylock (optional) - Page 2

900-BB Battery Backup (optional) - Page 3

## PS902 Power Supply Specifications:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input</strong></td>
<td>120/240 VAC, 1.1 A, 50/60Hz, High Voltage Class 1 Wiring Required</td>
</tr>
<tr>
<td><strong>Output</strong></td>
<td>2 Amp DC @ 12/24 VDC</td>
</tr>
<tr>
<td><strong>Enclosure</strong></td>
<td>14&quot; H x 12&quot; W x 4&quot; D (8 knockouts, 1/2&quot; or 3/4&quot;)</td>
</tr>
<tr>
<td><strong>Temperature Range</strong></td>
<td>32°-120° F (0°- 49° C)</td>
</tr>
<tr>
<td><strong>Fuse</strong></td>
<td>F1, T3.15A 250VAC</td>
</tr>
</tbody>
</table>

### DANGER

To avoid risk of electric shock, turn off AC power before installing or servicing PS902 power supply

### CAUTION

For protection against risk of fire, replace fuse with same type and rating

<table>
<thead>
<tr>
<th>Compliance</th>
<th>UL 294, ULC-S318, RoHS, &amp; FCC Part 15, Class 2 Output</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compatible Boards</strong></td>
<td>INST. INSTRUCTIONS - 24125007</td>
</tr>
<tr>
<td>(Optional, 1 board maximum)</td>
<td></td>
</tr>
<tr>
<td>900-2RS</td>
<td>INST. INSTRUCTIONS - 44487098</td>
</tr>
<tr>
<td>900-2Q</td>
<td>INST. INSTRUCTIONS - 44487106</td>
</tr>
<tr>
<td>900-4R</td>
<td>INST. INSTRUCTIONS - 44487080</td>
</tr>
<tr>
<td>900-4RL</td>
<td>INST. INSTRUCTIONS - 44487106</td>
</tr>
<tr>
<td>900-8F</td>
<td>INST. INSTRUCTIONS - 44487106</td>
</tr>
<tr>
<td>900-8P</td>
<td>INST. INSTRUCTIONS - 44487106</td>
</tr>
<tr>
<td><strong>Fire Alarm Input Board (Optional)</strong></td>
<td>INST. INSTRUCTIONS - 44487072</td>
</tr>
<tr>
<td><strong>Battery Backup Board (Optional)</strong></td>
<td>INST. INSTRUCTIONS - 44487064</td>
</tr>
</tbody>
</table>
Mounting notes

The PS902 must be installed in accordance with the article 760 of the National Electrical Code or NFPA 72, Canadian Electrical Code, or any other applicable codes.
Install the PS902 indoors within the protected premises.
Check national and local codes for additional installation requirements.
Enclosure must be firmly mounted to a solid surface using hardware suitable for the surface.

1 Mount power supply

1a Mark 2 Top Holes

1b Secure Enclosure with 4 Screws

2 Secure enclosure door

If No Keylock
Enclosure will be secured with 2 screws as shown (done as last step)

If Keylock
Remove knockout and insert key cylinder, then slide in clip
3a Connect AC Wiring

- AC Input
  - Green (Ground)
  - White (Neutral)
  - Black (Hot)

AC Input

Ensure AC breaker is turned off

DANGER

- High Voltage
  - If main board must be removed, turn off AC power and wait 8 minutes before removal
  - Do not remove this cover, no serviceable parts

3b Use Jumper to Select 24 VDC or 12 VDC Output

<table>
<thead>
<tr>
<th>24 VDC Output Setting</th>
<th>12 VDC Output Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 VDC</td>
<td>12 VDC</td>
</tr>
</tbody>
</table>

Note: Minimum of 1/4" separation between AC and DC wiring as well as power limited and non-power limited.

4 Install 900-BB battery backup (If Included)

Refer to 900-BB instructions for additional info

4a Place Batteries in Box with Terminals to the left

4b Attach Wire from Battery Board

- Red wires = (+)
- Black wire = (-)

Note: allow 24 hours for batteries to fully charge

5 Turn on AC breaker to test power supply

- Verify AC LED is On = GREEN
- Verify DC LED is On = RED
- Verify BB LED (if applicable) is On = AMBER
Option Board to be Plugged into Option Connector

- See option board installation instructions for wiring info

Notes:
1. When powering (2) QEL's with a PS902, both cannot be activated at the same time, they must be sequenced.
2. Latchbolt retraction of (2) sequenced QEL's requires more than 1 second to complete.
3. For double door QEL applications with auto operators, it is recommended to use a PS904, 906, or 914 power supply.

NOTE: When installation is complete, secure enclosure door with screws (provided) or keylock