These instructions cover the following parts:

**PS902 Power Supply - Pages 1-3**

**900-BB Battery Backup (optional) - Page 3**

PS902 Power Supply Specifications:

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input</td>
<td>120/240 VAC, 1.1 A, 50/60Hz, High Voltage Class 1 Wiring Required</td>
</tr>
<tr>
<td>Output</td>
<td>2 Amp DC @ 12/24 VDC</td>
</tr>
<tr>
<td>Enclosure</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>Temperature Range</td>
<td>32°-120° F (0°- 49° C)</td>
</tr>
<tr>
<td>Fuse</td>
<td>F1, T3.15A 250VAC</td>
</tr>
</tbody>
</table>

**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>Compatible Boards</td>
<td>900-2RS INST. INSTRUCTIONS - 24125007</td>
</tr>
<tr>
<td>(Optional, 1 board maximum)</td>
<td>900-2Q INST. INSTRUCTIONS - 44487098</td>
</tr>
<tr>
<td></td>
<td>900-4R INST. INSTRUCTIONS - 44487106</td>
</tr>
<tr>
<td></td>
<td>900-4RL INST. INSTRUCTIONS - 44487080</td>
</tr>
<tr>
<td></td>
<td>900-8F INST. INSTRUCTIONS - 44487106</td>
</tr>
<tr>
<td></td>
<td>900-8P INST. INSTRUCTIONS - 44487106</td>
</tr>
<tr>
<td>Fire Alarm Input Board (Optional)</td>
<td>900-FA INST. INSTRUCTIONS - 44487072</td>
</tr>
<tr>
<td>Battery Backup Board (Optional)</td>
<td>900-BB 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)

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

Options:
- 24 VDC Output Setting
- 12 VDC Output Setting

OR

4a Place Batteries in Box with
Terminals to the Left

4b Attach Wires from Battery Board

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

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
**6 WIRE 900-FA (FIRE ALARM BOARD) IF INCLUDED**

Refer to 900-FA instructions for additional info

Note: If FA is installed on PS902:
- Verify jumper J13 is removed
- Power will be removed from PS902 when fire alarm is active

### Terminal Definitions

<table>
<thead>
<tr>
<th>NC</th>
<th>C</th>
<th>NO</th>
<th>FA1</th>
<th>FA2</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC</td>
<td>C</td>
<td>NO</td>
<td>FA1</td>
<td>FA2</td>
</tr>
</tbody>
</table>

**Supervision Output**
Contacts Show FA Active (open)

**Fire Alarm Input**

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**One 900-FA Board - Automatic Reset**

<table>
<thead>
<tr>
<th>NC</th>
<th>C</th>
<th>NO</th>
<th>FA1</th>
<th>FA2</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC</td>
<td>C</td>
<td>NO</td>
<td>FA1</td>
<td>FA2</td>
</tr>
</tbody>
</table>

Fire Alarm Contact
Closed = no fire
Open = fire

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**One 900-FA Board - Manual Reset**

<table>
<thead>
<tr>
<th>NC</th>
<th>C</th>
<th>NO</th>
<th>FA1</th>
<th>FA2</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC</td>
<td>C</td>
<td>NO</td>
<td>FA1</td>
<td>FA2</td>
</tr>
</tbody>
</table>

Manual Reset
(Temporarily close to reset)

Fire Alarm Contact
Closed = no fire
Open = fire

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### OPTION BOARDS

Refer to appropriate instructions if any board shown below is factory-installed

**Option Board to be Plugged into Option Connector**

- See option board installation instructions for wiring info

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**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.

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Available option boards:

- **900-2RS** (2 Relay)
- **900-2Q** (2 Relay w/com)
- **900-4R** (4 Relay)
- **900-4RL** (4 Relay w/logic)
- **900-8F** (8 Zone Distribution-fuse)
- **900-8P** (8 Zone Distribution-PTC)

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**NOTE: WHEN INSTALLATION IS COMPLETE, SECURE ENCLOSURE DOOR WITH SCREWS (PROVIDED) OR KEYLOCK**