This sheet covers:

- **900-4R**
  - 4 Independently Controlled Relays
  - Page 2

- **900-8F**
  - 8 Fuse Protected Outputs
  - Page 3

- **900-8P**
  - 8 PTC Protected Outputs
  - Page 4

Refer to installation instructions for compatible supply models - PS902, PS904, PS906, and PS914.

## 1 INSTALL OPTION BOARD(S) INTO POWER SUPPLY

### a Review Available Board Mounting Locations (gray)

- **PS902**
  - 1

- **PS904**
  - 1
  - 2

- **PS914**
  - 1
  - 2

- **PS906**
  - 1
  - 2
  - 3

### b Plug Cable into any Available Option Connector

- **Option 1**
  - PS902

- **Option 1**
  - PS904, 914

- **Option 1**
  - PS906

(900-4R board shown)

### c Secure Board(s) with Screws
**900-4R Specifications**

| Inputs I1-I4 | Dry contacts required (Closed = Active)  
| Connect control contacts between SC (Signal Common) and any input |
| Outputs O1-O4 | • Form C contacts rated 30VDC, 3A (dry)  
| • 12/24VDC, 3A (wet) when AC powered  
| • 9.6-13.2VDC or 19.2-26.4VDC when battery powered  
| • Maximum load cannot exceed power supply ratings or 6A for outputs combined  
| Board Input Power | Board requires 0.18A max. of power supply output current to operate  
| Temperature Range | 32°-120° F (0°- 49° C)  
| Compliance | UL 294, ULC-S318, RoHS, & FCC Part 15  
| Fire Alarm Input | Accepts 900-FA Fire Alarm Board (Optional)  

Function: Four independent dry-contact inputs control four Form C outputs

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### Powered Outputs
**Default**

By default, all outputs provide 12/24 VDC

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### Dry Contact Outputs
**Optional**

For dry contact outputs, remove appropriate jumpers and rotate 90°, then reinstall (Zone 1 - Zone 4)

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**900-4R Wiring Example**

**Fail Secure and Fail Safe Electric Strikes**

- **Fail Secure Electric Strike 2**
- **Fail Safe Electric Strike 1**
- **Access Control 1**
- **Access Control 2**
- **PS902 or PS904 or PS906**

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**Note:**

Fail secure output only allowed if approved by Authority Having Jurisdiction

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Refer to Wire Table (page 4)
900-8F Specifications

Each Output
- Rated for supply maximum
- 12/24VDC when AC powered
- 9.6-13.2VDC or 19.2-26.4VDC when battery powered
- Maximum load cannot exceed power supply ratings or 6A for outputs combined

Board Input Power
Board requires 0.045A max. of power supply output current to operate

Temperature Range
32°-120° F (0°-49°C)

Compliance
UL 294, ULC-S318, RoHS, & FCC Part 15

Fire Alarm Input
Accepts 900-FA Fire Alarm Board (Optional)

F1 - F8
32V, 7.5A, ATO blade style

F9 Main Fuse
300V, 15A, 3AG style

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

Function: Provides 8 independently-fused outputs.

LED (each output)
Off = fuse blown or missing

Fire Alarm setting (if 900-FA installed)
- Jumper on J5: Active fire alarm turns off all outputs
- Jumper on J6: Active fire alarm turns off outputs 1-4 only

Refer to Wire Table
(page 4)

Note:
Fail secure output only allowed if approved by Authority Having Jurisdiction
900-8P Specifications

Each Output
- 1.4A maximum
- 12/24VDC when AC powered
- 9.6-13.2VDC or 19.2-26.4VDC when battery powered
- Maximum load cannot exceed power supply ratings or 6A for outputs combined

Board Input Power
Board requires 0.045A max. of power supply output current to operate

Temperature Range
32°-120° F (0°-49° C)

Compliance
UL 294, ULC-S318, RoHS, & FCC Part 15

Fire Alarm Input
Accepts 900-FA Fire Alarm Board (Optional)

Function: Provides 8 independent outputs, each protected by an automatically-resettable thermal fuse.

Wire Table: (Suggested maximum)

<table>
<thead>
<tr>
<th>Wire Ga (AWG)</th>
<th>Device Current (Amps DC)</th>
<th>Output* (max. ft)</th>
<th>Input (max. ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>0.3</td>
<td>850</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.5</td>
<td>500</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>0.3</td>
<td>340</td>
<td>1200</td>
</tr>
<tr>
<td></td>
<td>0.5</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

*Wiring allows for 10% voltage drop at device current at 12 or 24VDC
Max. ft = one way distance between power supply and device.

**NOTE: WHEN INSTALLATION IS COMPLETE, SECURE ENCLOSURE DOOR WITH SCREWS OR KEYLOCK.**