

PS902

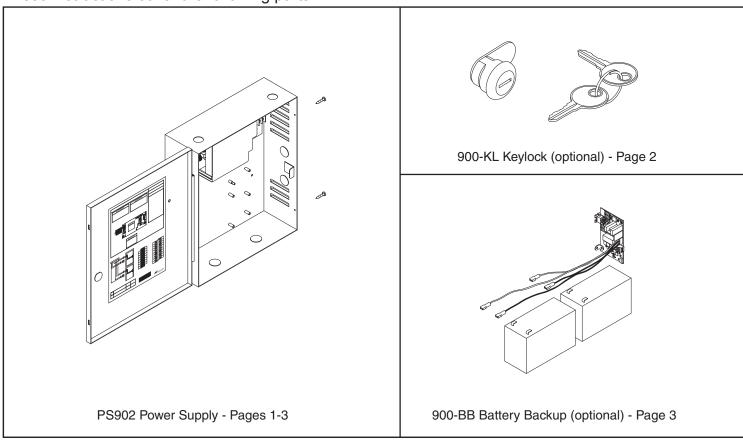


Power Supply Installation Instructions

A DANGER A

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

These instructions cover the following parts:



PS902 Power Supply Specifications:

Input	120/240 VAC, 1.1 A, 50/60Hz, High Voltage Class 1 Wiring Required		
Output	2 Amp DC @ 12/24 VDC		
Enclosure	14" H x 12" W x 4" D (8 knockouts, 1/2" or 3/4")		
Temperature Range	32°-120° F (0°- 49° C)		
Fuse	F1, T3.15A	CAUTION Â	
	250VAC	For protection against risk of fire, replace fuse with same type and rating	
Compliance	UL 294, ULC-S318, RoHS, & FCC Part 15, Class 2 Output		
Compatible Boards	900-2RS	INST. INSTRUCTIONS - 24125007	
(Optional, 1 board maximum)	900-2Q	INST. INSTRUCTIONS - 44487098	
	900-4R	INST. INSTRUCTIONS - 44487106	
	900-4RL	INST. INSTRUCTIONS - 44487080	
	900-8F	INST. INSTRUCTIONS - 44487106	
	900-8P	INST. INSTRUCTIONS - 44487106	
Fire Alarm Input Board (Optional)	900-FA	INST. INSTRUCTIONS - 44487072	
Battery Backup Board (Optional)	900-BB	INST. INSTRUCTIONS - 44487064	

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.

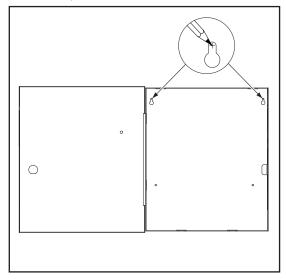
Install the PS902 indoors within the protected premises.

Check national and local codes for additional installation requirements.

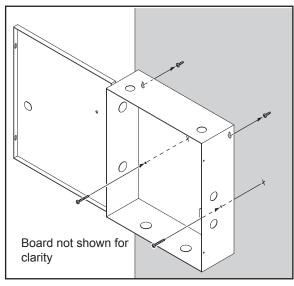
Enclosure must be firmly mounted to a solid surface using hardware suitable for the surface.

Mount power supply

1a Mark 2 Top Holes



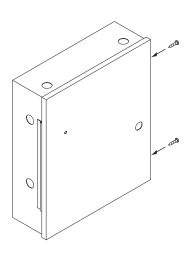
1b Secure Enclosure with 4 Screws



Secure enclosure door

If No Keylock

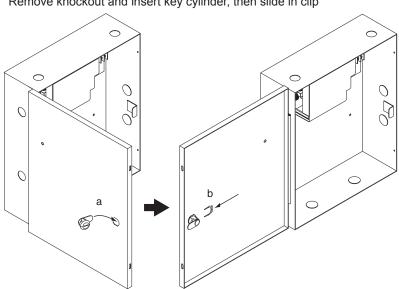
Enclosure will be secured with 2 screws as shown (done as last step)

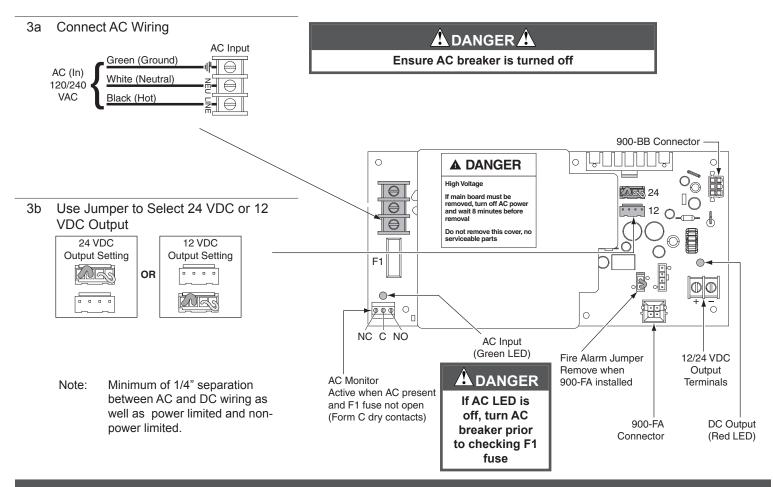


If Keylock

OR

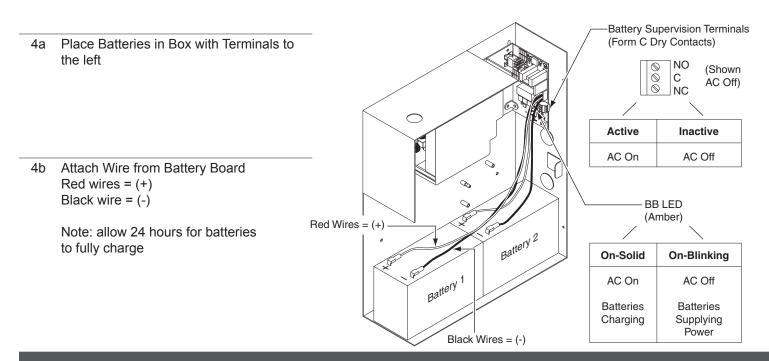
Remove knockout and insert key cylinder, then slide in clip





4 Install 900-BB battery backup (If Included)

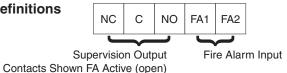
Refer to 900-BB instructions for additional info



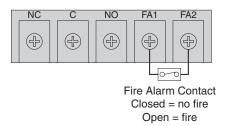
5 Turn on AC breaker to test power supply

- Verify AC LED is On = GREEN
- Verify DC LED is On = RED
- Verify BB LED (if applicable) is On = AMBER

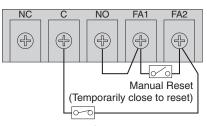
Terminal Definitions



One 900-FA Board - Automatic Reset



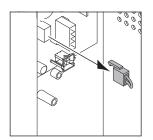
One 900-FA Board - Manual Reset



Fire Alarm Contact Closed = no fire Open = fire

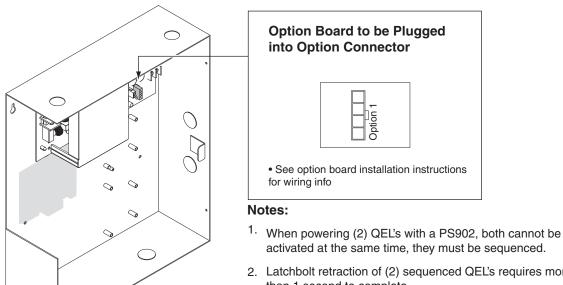
Note: If FA is installed on PS902:

- Verify jumper J13 is removed
- Power will be removed from PS902 when fire alarm is active



Option Boards

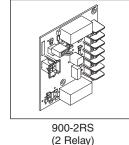
Refer to appropriate instructions if any board shown below is factory-installed

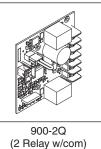


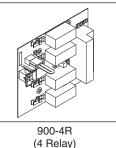
Available option boards:

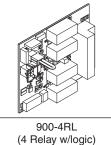
2. Latchbolt retraction of (2) sequenced QEL's requires more than 1 second to complete.

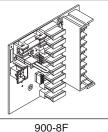
For double door QEL applications with auto operators, it is recommended to use a PS904, 906, or 914 power supply.

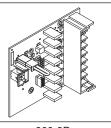












(8 Zone Distribution-fuse)

900-8P (8 Zone Distribution-PTC)

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





24125007

900-2RS

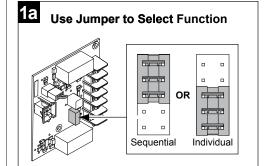


Option Board Installation Instructions

900-2RS Specifications:

Inputs I1,I2	Dry contacts required (Closed = Active) Connect control contacts between SC (Signal Common) and any input
Outputs 01,02	 12/24VDC, 3A (wet) when AC powered 9.6-13.2VDC or 19.2-26.4VDC when battery powered May be used with PS914 to power EL device at 24VDC, 16A, 300ms Maximum load cannot exceed power supply ratings or 3A for outputs combined
Board Input Power	Board requires 0.1A 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)

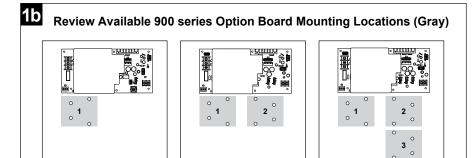
INSTALL 900-2RS OPTION BOARD (IF REQUIRED)



▲DANGER:

Ensure AC breaker is turned off when installing or wiring option boards

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Plug 2RS Cable into any Available Option Connector

PS904 PS914

PS902 1 Board

PS902



PS904, 914 2 Boards

Option 1	Option 2	Option 3
PS906 3 Boards		

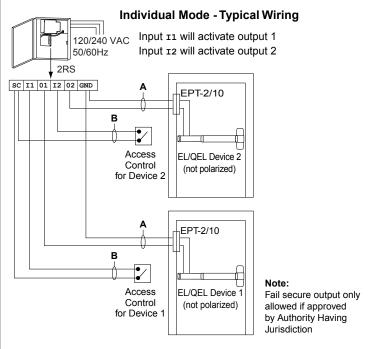
PS906

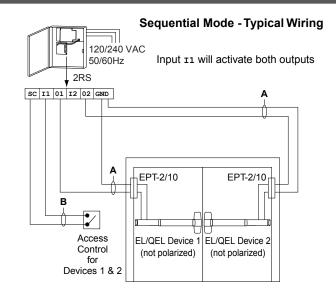
1d Secure Board with Screws

Notes: 1. 24VDC output setting required when EL or QEL device connected

- 2. If installing board in location 2 or 3, rotate board 180°
- 3. When powering (2) QEL's with a PS902, both cannot be activated at the same time, they must be sequenced.
- 4. Latchbolt retraction of (2) sequenced QEL's requires more than 1 second to complete.
- 5. For double door QEL applications with auto operators, it is recommended to use a PS904, 906, or 914 power supply.

2 CONNECT WIRING TO 900-2RS OPTION BOARD





Wire Table

	Wire Ga (AWG)	Distance (max. ft.)*	
Device Type		Output A	Input B
EL Exit Device with EPT or Door Loop	12	200	
(PS914 Power Supply Required)	14	100	
EL Exit Device with Electric Hinge/Pivot	12	150	
(PS914 Power Supply Required)	14	75	
	12	800	
OFI Feit Paries with FPT on Floatile History	14	500	
QEL Exit Device with EPT or Electric Hinge	16	320	
	18	200	
Other Low Current Devices	14	500	
(.5 Amps DC)	18	200	
Other Low Current Devices	14	850	
(.3 Amps DC)	18	340	
Access Control Device	18		1200

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

