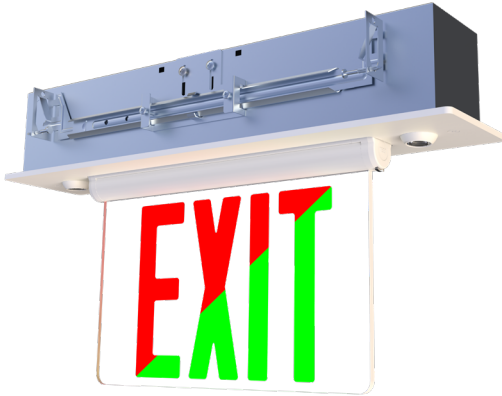


# P900C-RG Series

## Installation Instructions



## IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

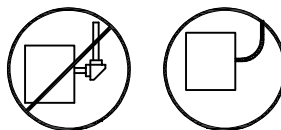
When using electrical equipment, basic safety precautions should always be followed including the following:

- **DISCONNECT AC POWER SUPPLY BEFORE SERVICING.**
- Installation and servicing of this equipment should be performed by qualified service personnel only.
- Ensure that the electrical wiring conforms to the National Electrical Code NEC® and local regulations if applicable.
- Do not mount near gas or electrical heaters.
- Do not use outdoors.
- Equipment should be mounted in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Any modification or use of non-original components will void the warranty and product liability.
- Do not use this equipment for other than intended use.
- Allow battery to charge for 24 hours before first use.
- For use with metal enclosed wiring systems.

## SAVE THESE INSTRUCTIONS!

Technical Support ■ (623) 580-8943 ■ [technicalsupport@barronltg.com](mailto:technicalsupport@barronltg.com)

Use Flexible Conduit Only

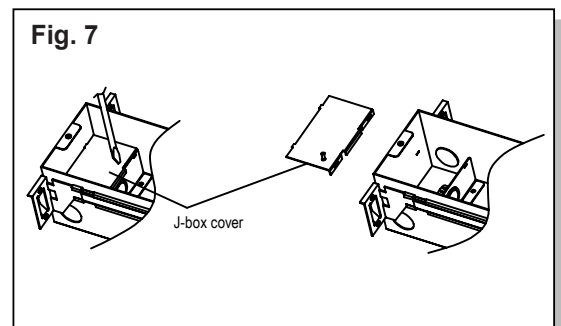
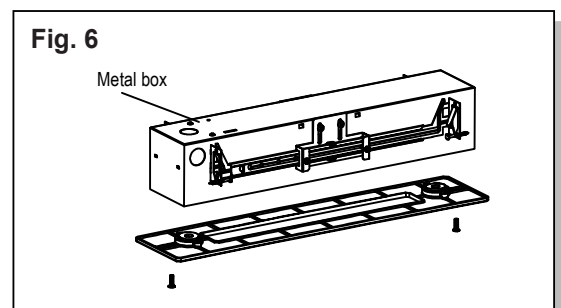
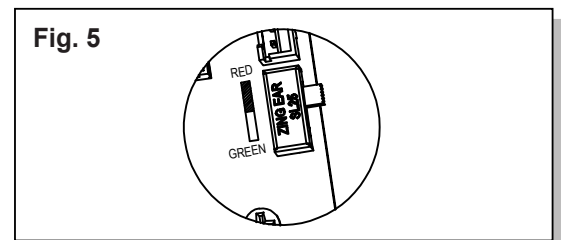
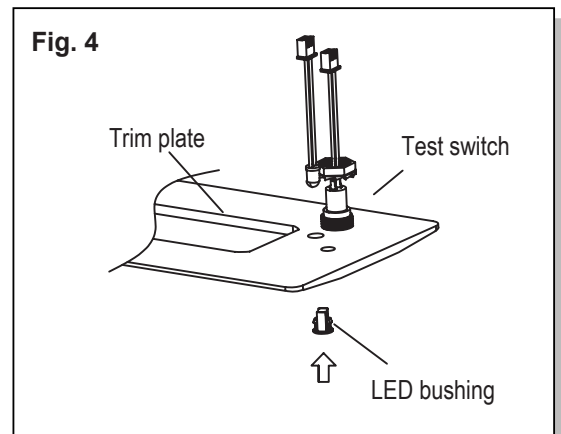
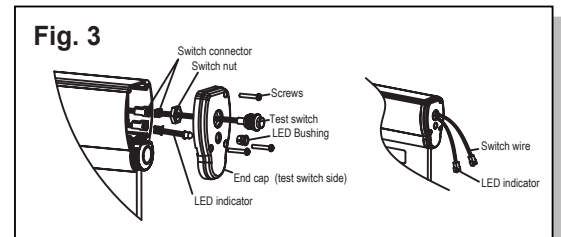
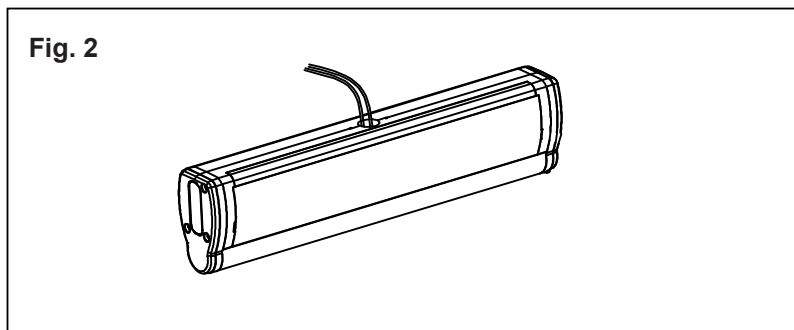
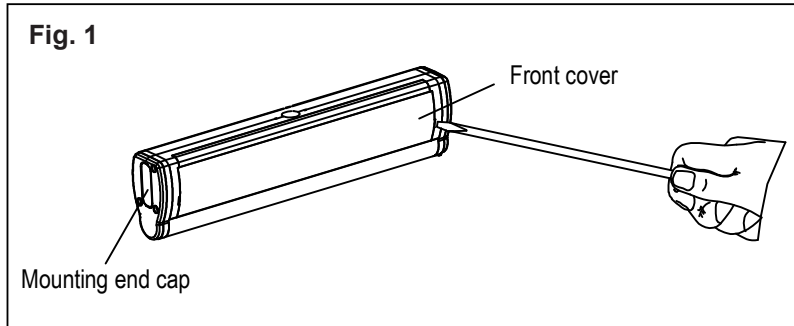


# P900C-RG Series

## Installation Instructions

### Recessed Ceiling Mounting

1. Use screwdriver to open front cover to connect battery connector. (Fig.1)
2. Route AC supply wires through center hole located on the top of the enclosure. (Fig. 2)
3. Unscrew and remove one end cap (test switch side). Disconnect test switch and LED indicator connector, remove test switch and LED indicator and LED bushing and set aside for next step. Reattach end cap on housing using (3) PB3\*12 screws (supplied). (Fig. 3)
4. Snap LED bushing on the trimplate, assemble test switch and LED indicator on the trimplate. (Fig. 4)
5. The default color of the exit sign letters is red. To switch setting to green, push the slider to opposite position. (Fig. 5)
6. Unscrew and remove trimplate from metal box. (Fig. 6)
7. Use a flat screwdriver to remove the junction box cover and knockout the appropriate hole on enclosure for AC wires. (Fig. 7)



# P900C-RG Series

## Installation Instructions

### Recessed Ceiling Mounting (continued)

8. With the bar hanger set screws still loose, adjust the horizontal placement of the recessed housing between the joists by sliding along the bar hangers. Secure by tightening the bar hanger set screws. (Fig. 8)
9. Adjust the vertical placement of the recessed housing by loosening the vertical slot set screws, then raising or lowering the recessed housing. The recessed housing should be positioned such that the trimplate will be flush with the ceiling or wall when installed. Secure by tightening the vertical slot set screw. (Fig. 8)
10. Route the AC wires from the fixture into the junction box to make the proper electrical connections located in the housing. Refer to **Electrical Connections** on page 4 (Fig 14). After completing the wire connections, close the junction box and insert the plastic housing back into the metal recessed housing (Fig. 9).
11. Reposition fixture into the recessed housing, connect lamphead connectors then slide the trimplate assembly back into the recessed housing and secure with the (2) screws (provided). (Fig. 10)
12. Peel off the protective film from the EXIT panel. Gently insert the EXIT panel into the main body assembly. If the EXIT panel is for single-face make sure the direction of the EXIT lettering is correct. (Fig.11)
13. Determine direction for chevron placement. Refer to Chevron Placement section. (Fig. 13, Page 4)

Fig. 8

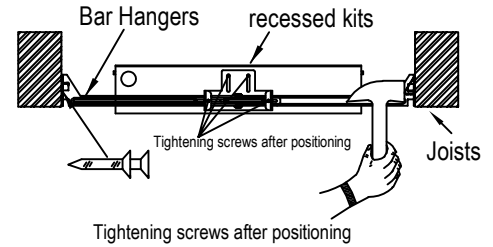


Fig. 9

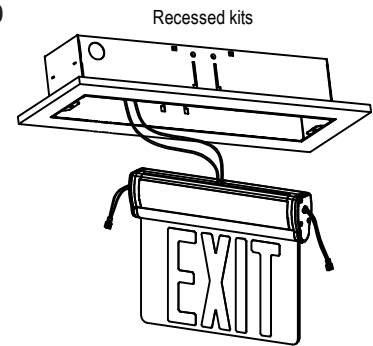


Fig. 10

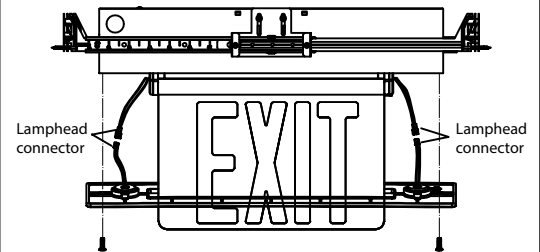
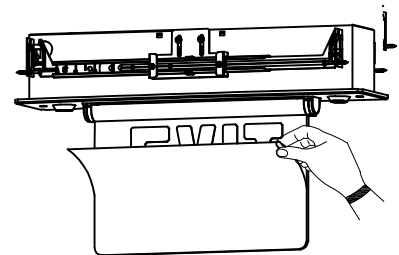


Fig. 11



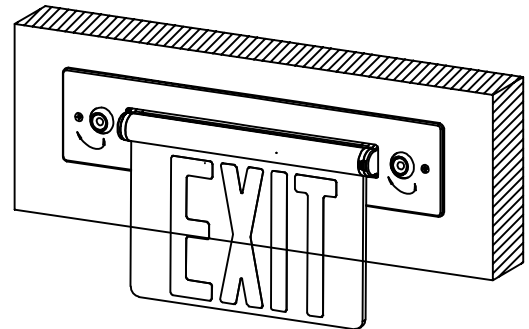
# P900C-RG Series

## Installation Instructions

### Recessed Wall Mounting

1. Reference steps 1-11 in **Recessed Ceiling Mounting** installation for recessed wall mounting.
2. Acrylic panel can rotate 90° to become a recessed wall installation. (Fig. 12)

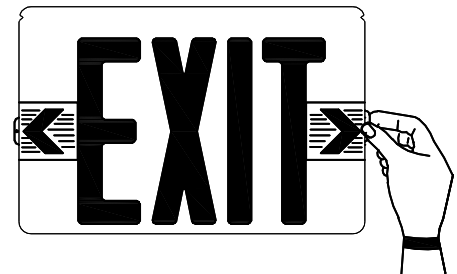
Fig. 12



### Chevron Placement (Fig. 13)

- If chevron is needed remove only the instruction film.
- If no chevron is needed, remove both the instruction film and chevron together.

Fig. 13



### Wiring Diagram (Fig. 14)

#### Electrical Connections

Make electrical connections as follows:

##### 120VAC - 277VAC

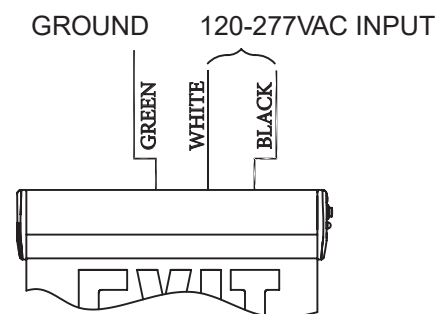
White - Neutral

Black - 120-277VAC

Green - Ground

**Note:** Cap unused wires to prevent shorting.

Fig. 14



# P900C-RG Series

## Installation Instructions

### Surface Ceiling & Wall Mounting

1. Use screwdriver to open front cover. (Fig. 15)
2. Knockout the wire access hole on the top surface. Route AC supply wires through the hole. (Fig. 15)
3. Attach crossbar to the junction box and assemble main body assembly with (2) self tapping screws (supplied). (Fig. 16)
4. Make proper wire connections (Refer to **Electrical Connections** on page 4, Fig 14).
5. The default color of the exit sign letters is red. To switch setting to green, push the slider to opposite position. (Page 2, Fig. 5)
6. Connect the battery connector on the PCBA, then restore front cover.
7. Use (2) PM4-40mm screws (supplied) and tighten canopy to the crossbar.
8. Peel off the protective film from the EXIT panel. Gently insert the EXIT panel into the main body assembly. If the EXIT panel is for single-face make sure the direction of the EXIT lettering is correct. (Fig. 17)
9. Determine the direction for the chevron placement. (See **Chevron Placement**, Page 4, Fig. 13)
10. The unit can be installed on any surface. You may rotate the EXIT panel in any angle from 0° to 180°. Ceiling mounting rotated 90° becomes Wall mounting. (Fig. 18)

Fig. 15

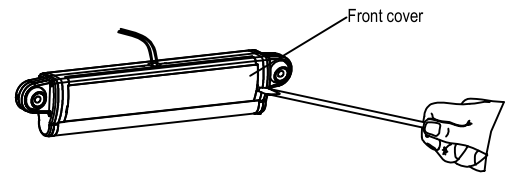


Fig. 16

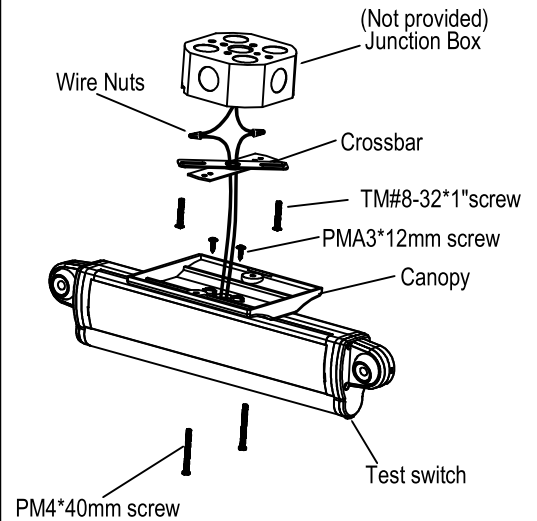


Fig. 18

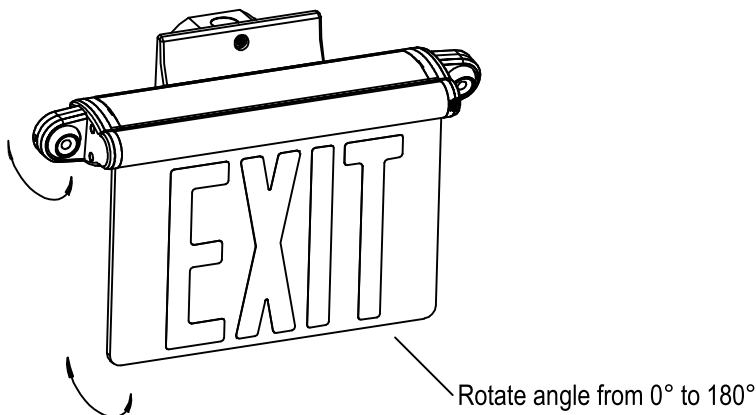
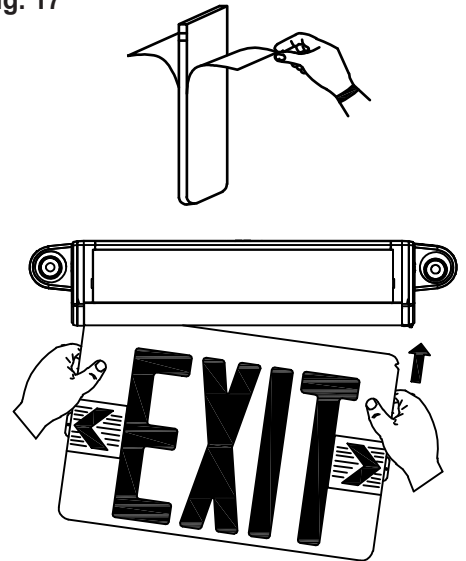


Fig. 17



# P900C-RG Series

## Installation Instructions

### Operation

The battery in this unit may not be fully charged. After electricity is connected to the unit for at least 24 hours, then normal operation of this unit should take effect. To check, press the "TEST" button. The EXIT sign should stay illuminated by battery backup and the LED indicator will be turned off. Release the "TEST" button, LED indicator will be turned on.

In accordance with NFPA 101, your emergency lighting system must be tested monthly for a minimum of 30 seconds and annually for 90 minutes. Refer to your local codes for any additional requirements that may apply.

### Testing and Reporting Instructions (-G2 models)

1. When AC power is supplied to fixture, the unit will automatically initiate a self-test and self-diagnostic test as follows:

- Verifies battery disconnection, charger board failure at every 5 seconds.
- 1 minute self-testing every month.
- 30 minutes self-testing on every 6 months after installation.
- 90 minutes self-testing on every 12 months after installation.

2. Dual color LED lamp indicator shows the following status:

- Green color: On / Ready  
    blinking: Testing
- Red color: Service Alert
- Service Alert LED Code (Red color LED lamp indicator)

●	One blink, 4 second pause	Battery is not connected
● ●	Two blinks, 4 second pause	Battery voltage too low
● ● ●	Three blinks, 4 second pause	Charger board circuit failure
● ● ● ●	Four blinks, 4 second pause	Transfer function failure
● ● ● ● ●	Five blinks, 4 second pause	Integral lamp failure
● ● ● ● ● ● ●	Seven blinks, 4 second pause	LED strip failure

Note: After solving the fault of emergency equipment, please press test button for 2 seconds then release to reset. LED indicator will show green.

3. "-G2" models also have a manual test function, press test button as follows:

Press test button once (within 2 seconds)	30 seconds discharge test
Press test button twice (within 2 seconds)	3 minutes discharge test
Press test button 3 times (within 2 seconds)	30 minutes discharge test
Press test button 4 times (within 2 seconds)	90 minutes discharge test