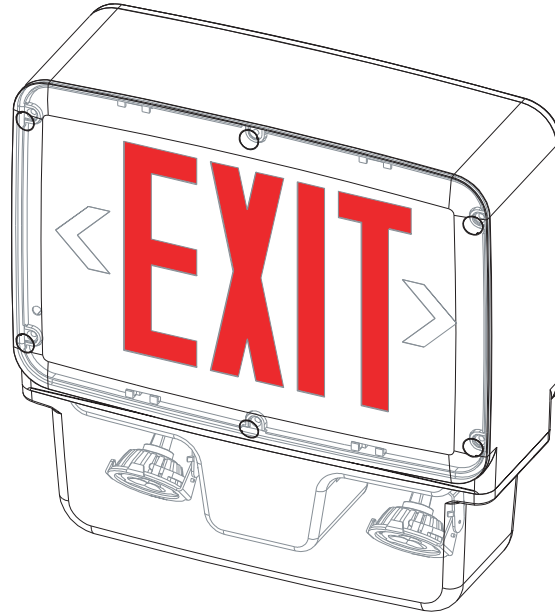




IMPORTANT SAFEGUARDS READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

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.
- 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.

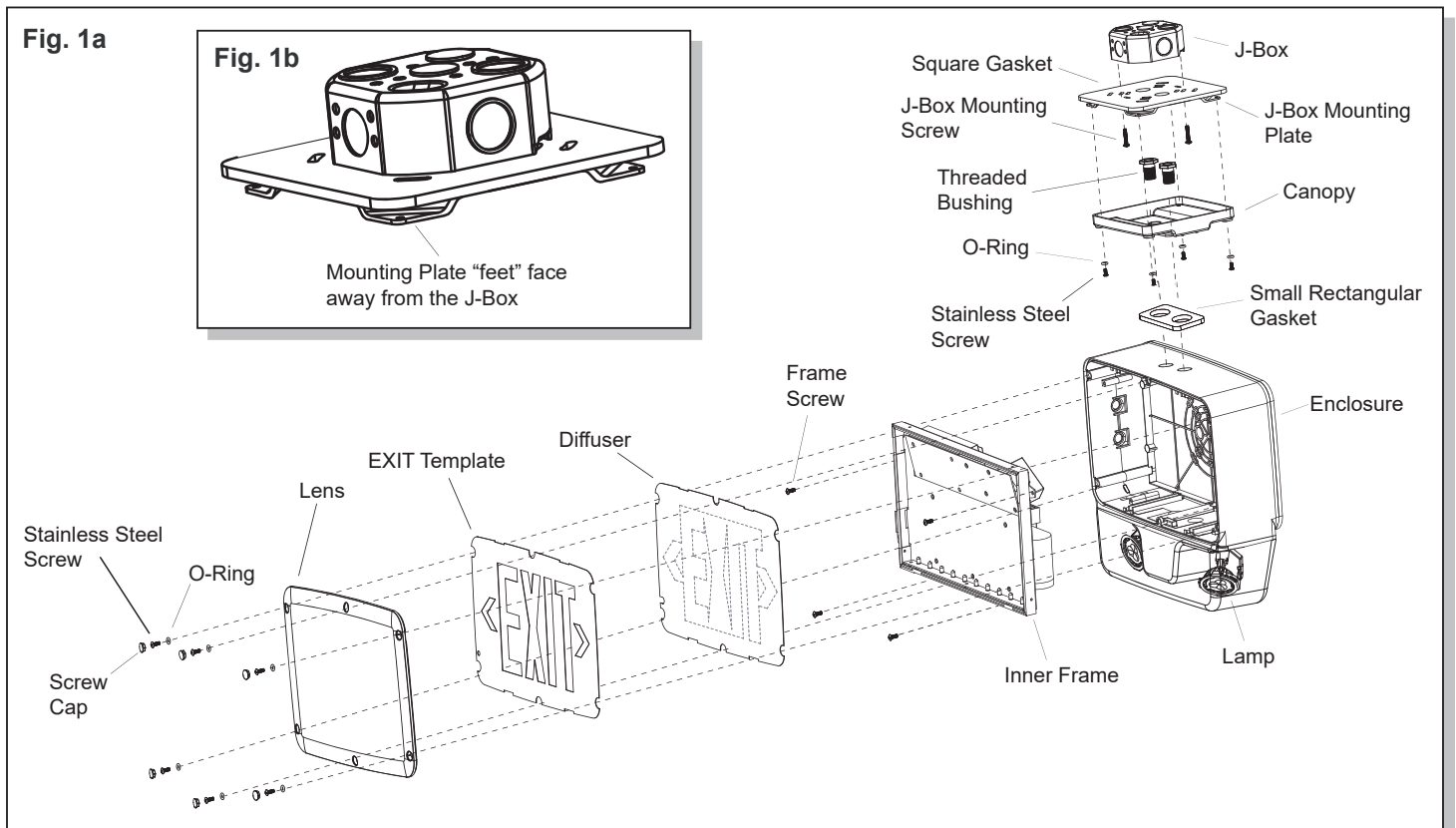
SAVE THESE INSTRUCTIONS!

ECN Series

Installation Instructions

Ceiling or End Mount (Fig. 1a)

1. Remove the lens by removing the (6) screw caps and the (6) screws with O-rings and set all aside.
2. Remove the EXIT template and diffuser and set both aside.
3. Remove the inner frame by removing the (4) screws and set aside.
4. Punch out the desired knockouts located in the top or side of the enclosure.
5. Remove the small rectangular gasket with two holes from the gasket sheet and position it between the enclosure and the canopy, aligning the two holes in each part.
6. Secure the canopy to the enclosure with the (2) sets of threaded bushings and nuts, ensuring that the canopy has a proper seal with the enclosure.
7. Remove the square gasket from the gasket sheet, then route wires out through the canopy, followed by the mounting plate and the square gasket. Ensure that the mounting plate is in the correct orientation (see Fig. 1b).
8. Make electrical connections; see **Electrical Connections** section.
9. Secure the mounting plate to the J-box.
10. Secure the canopy to the mounting plate, ensuring that the canopy has a proper seal with the mounting surface.
11. Connect the battery, if included.



ECN Series

Installation Instructions

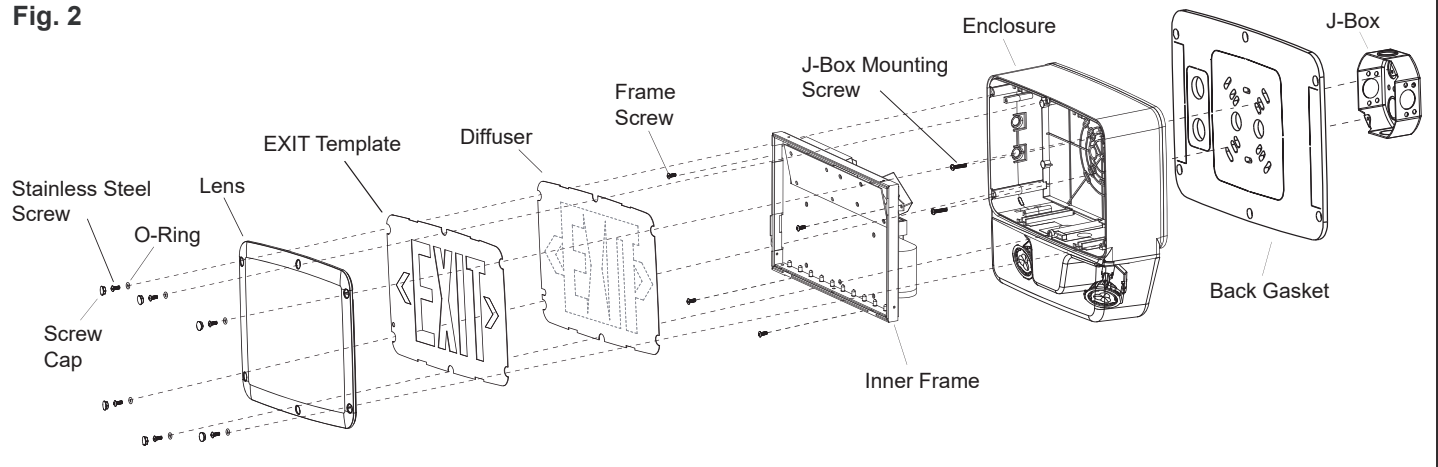
Ceiling or End Mount, Continued

12. Replace the inner frame using the (4) screws from Step 3.
13. Remove the chevron(s) from the EXIT template, if desired.
14. Replace the diffuser and EXIT template.
15. Replace the lens and secure using the (6) screws with O-rings from Step 1. Ensure the O-rings make a proper seal.
16. Cover the (6) screws with the (6) screw caps from Step 1.

Wall Mount (Fig. 2)

1. Remove the lens by removing the (6) screw caps and the (6) screws with O-rings and set all aside.
2. Remove the EXIT template and diffuser and set both aside.
3. Punch out one of the center knockout and any desired knockouts for mounting to the junction box located in the backplate.
4. Route wires out through the center hole of the backplate and the corresponding hole in the back gasket.
5. Make electrical connections; see **Electrical Connections** section.
6. Secure the fixture to the J-box, ensuring that the gasket aligns properly with the backplate and makes a proper seal with the backplate and the wall.
7. Connect the battery, if included.
8. Remove the chevron(s) from the EXIT template, if desired.
9. Replace the diffuser and EXIT template.
10. Replace the lens and secure using the (6) screws with O-rings from Step 1. Ensure the O-rings make a proper seal.
11. Cover the (6) screws with the (6) screw caps from Step 1.

Fig. 2

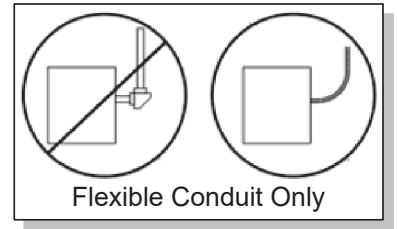


ECN Series

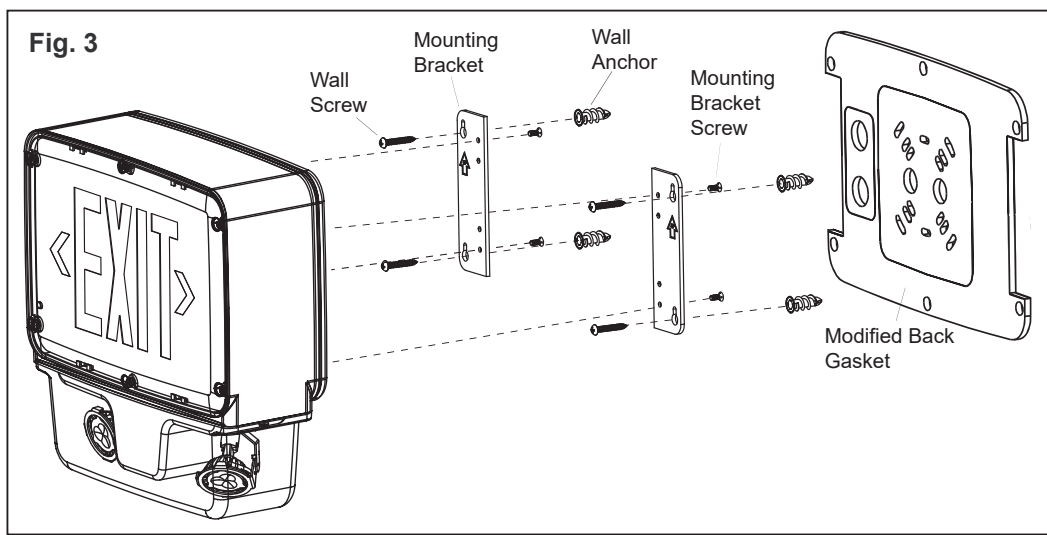
Installation Instructions

Wall Mount Using Mounting Brackets (Fig. 3)

Note: For optimal weatherproofing when using the mounting brackets, the manufacturer recommends using flexible, UL Listed for Wet Location conduit as the means to provide line voltage to the fixture. Use flexible conduit only; not for use with rigid conduit.



1. Secure the (2) mounting brackets to the back of the fixture using the (4) bracket mounting screws (provided).
2. If using a J-box, remove the (2) rectangular gasket pieces from the sides of the back gasket and discard. Attach the modified back gasket to the back of the fixture.
3. Follow steps 1-2 in the **Wall Mount** section.
4. Remove the appropriate knockouts depending on the line voltage access:
 - a. If using a J-box, remove one of the center knockouts from the back of the fixture. For a better seal, remove additional knockouts to allow for screws to secure the fixture to the J-box.
 - b. If using flexible conduit, remove the inner frame by removing the (4) screws and set aside. Punch out the desired knockout located in the top or side of the enclosure.
5. Using the brackets as a template, align the fixture to the mounting location and mark the drill locations on the wall.
6. Install wall anchors in the (4) marked locations.
7. Make electrical connections; see **Electrical Connections** section.
8. Secure the fixture to the wall using (4) screws. If using a J-box and additional knockouts were removed in Step 4a, secure the fixture to the J-box at this time.
9. Connect the battery, if included.
10. If the inner frame was removed, resecure it to the fixture using the (4) screws from Step 4b.
11. Follow steps 8-11 in the **Wall Mount** section.



Installation Instructions

ECN Series

Installation Instructions

Self-Test/Self-Diagnostics (ST)

Operation

The purpose of this option is to provide Self-testing and Self-diagnostic capabilities to the EXIT sign. At predetermined intervals, the EXIT sign will automatically switch into battery mode. Refer to the **Self-Test Features** section of this page for timing details. The EXIT sign will also perform various Self-diagnostic tests of the fixture. Visual signaling will alert maintenance personnel to a fault of the EXIT sign electronics, battery and/or battery charger. The circuitry continuously monitors the operating condition of the EXIT sign and battery charging circuit/battery supply voltage. Refer to the **LED Indicator** section below for fault reporting details.

Self-Test Features

- The EXIT sign will automatically switch to battery mode every 30 days for a period of 30 seconds.
- The EXIT sign will automatically switch to battery mode every 180 days for a period of 30 minutes.
- The EXIT sign will automatically switch to battery mode every 365 days for a period of 90 minutes.

LED Indicator

The EXIT sign is equipped with a bi-color LED, which displays green and/or red.

- A steady green LED indicates that normal AC power is being supplied to the EXIT sign and the battery is fully charged.
- A flashing green LED indicates that the EXIT sign is undergoing a test.
- A flashing red and green LED indicates that the battery is being charged.
- A red LED indicates whenever the Self-diagnostics system has detected a fault condition. Refer to the chart below when a red LED is displayed:

Red LED Indication	Fixture Fault	Corrective Action
Steady	Battery Disconnected	Check Battery Connection
Blinking 1 Time	Battery Failure	Replace Battery
Blinking 2 Times	LED Failure	Check Battery then Consult Factory
Blinking 4 Times	Battery Charge Failure	Check Battery then Consult Factory

Test Switch Feature

MANUAL TEST – Placing the provided magnet near the magnetic test switch and pulling it away will switch the EXIT sign into battery mode for 30 seconds.

Placing the provided magnet near the magnetic test switch and pulling it away once while the fixture is in MANUAL TEST mode will cancel the manual test and return the fixture to normal AC power.

RESET – Placing the provided magnet near the magnetic test switch for 6 seconds and pulling it away will reset the red fault indication LED. If multiple faults are present, it may be necessary to repeat this procedure for each remaining fault indicated by the red fault indication LED.

Use in accordance with local building codes.