

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
- 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.
- For 2CI operation - ensure that both AC power and auxiliary power are not simultaneously live.
- 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.

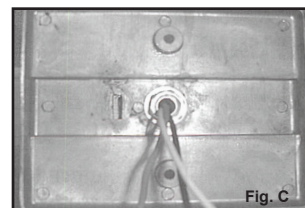
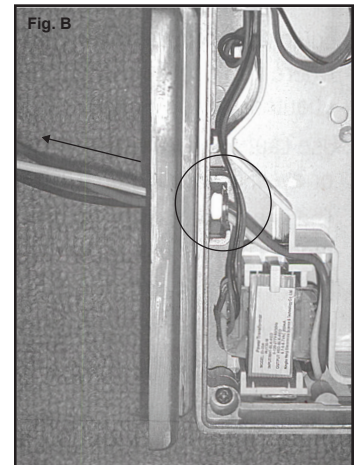
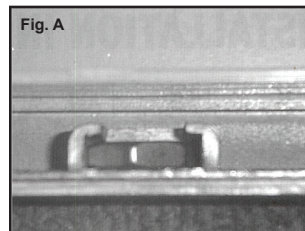
SAVE THESE INSTRUCTIONS!



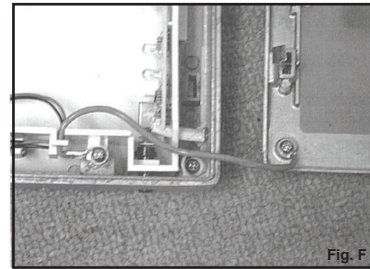
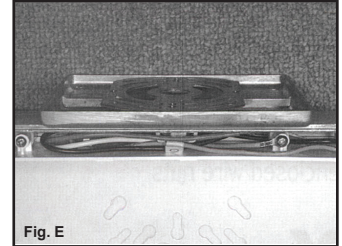
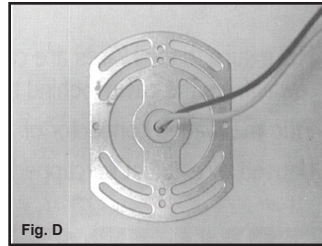
INSTALLATION INSTRUCTIONS

Canopy Mount (Ceiling or End)

1. Remove faceplate cover by pulling equally at the outer rim of the faceplate on two opposite sides. Then remove the ground wire from the faceplate (Fig. F).
2. Remove the wire access hole cover on the top or the side of the sign. Place one of the nuts from the threaded stem rod in the slot inside the housing just inside of the unit (Fig. A).
3. Secure the canopy over the wire access hole.
4. Feed the AC supply and ground wire out of the housing through the nut & wire access hole (Fig. B).
5. Feed AC supply wires and ground wire through the threaded stem rod and screw the stem rod into the nut inside the unit. Screw the remaining nut for the threaded stem onto the stem and tighten securely to complete the mounting of the canopy to the EXIT sign (Fig. C).
6. Make electrical connections: see **Electrical Connection** sections.



7. Determine the position and orientation to mount the EXIT sign. Use the semi-round junction box mounting plate and the small #8-32 screws (supplied) and tighten securely (Fig. D and E).
8. Remove the desired chevron(s) from the EXIT face if necessary and reattach the ground wire to the faceplate (Fig. F).
9. Insert battery connector (for Battery Backup models) to PC board terminal and then replace the faceplate to complete the installation.



Wall Mount

1. Remove faceplate cover by pulling equally at the outer rim of the faceplate on two opposite sides. Then remove ground wire from faceplate (Fig. F).
2. Remove the desired knockouts on backplate and mount to the junction box using the supplied hardware.
3. Route wires through the center knockout.
4. Make electrical connections: see **Electrical Connection** sections.
5. Remove the desired chevron(s) from the EXIT face if necessary and reattach the ground wire to the faceplate (Fig. F).
6. Insert battery connector (for Battery Backup models) to PC board terminal and then replace the faceplate to complete the installation.

Electrical Connections

All electrical connections should be made inside junction box.

Make Electrical Connections as follows:

120V AC	277V AC	200-230V AC
White - Common	White - Common	White - Common
Black - 120V	Orange - 277V	Red - 220-230V
Green - Ground	Green - Ground	Green - Ground

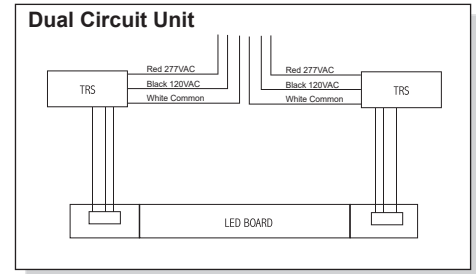
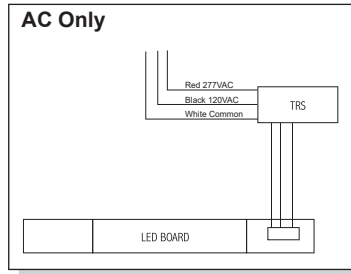
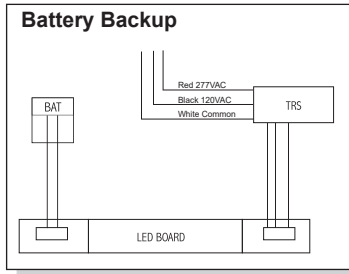
Note: Cap unused leads to prevent shorting.

2CI option models have two transformers, one for the main AC input and the other for the auxiliary AC input. Please make connections as follows:

AC Line	Auxiliary Line
White - Common	White - Common
Black - 120V	Black - 120V
Red - 277V	Red - 277V

Note: The AC and auxiliary power cannot be simultaneously live, consult factory for a solution.

Wiring Diagrams



1. Introduction:

After unit has been correctly installed with AC power supplied, the EXIT sign will be illuminated, and the dual color indicator will display the current unit status. A steady green indicates normal operation. Flashing green indicates the unit is being tested. Red (binking or steady) indicates a service alert, please refer to **Fault Indication** section for details. The green/red flash indicates the unit is charging. The indicator will be off when in emergency mode.

2. Self-diagnostic

The self-diagnostic function is factory pre-set without any field adjustment needed. The automatic self-diagnostic performs the following tests.

- a. Online real time monitoring of battery disconnect, LED failure, lamp failure, battery charging operation and the battery failure.
- b. 15 minutes discharge and self-testing every 30 days after AC power is applied.
- c. 90 minutes discharge and self-testing every 12 months after AC power is applied.

3. Fault indication

Fault description	Indication
Battery disconnection	Steady red light
Battery failure	Red - 2 Blinks
LED failure	Red - 3 Blinks
Local lamp failure	Red - 4 Blinks
Remote lamp failure	Red - 5 Blinks

4. Manual testing

The unit also provides manual testing by pushing the test button as follows:

Action	Testing the LED indicated
Press test button (1 time) within 2 seconds	30 second test: the green light flashes during the test
Press test button (2 times) within 2 seconds	15 minutes test: the green light double blinks during the test
Press test button (3 times) within 2 seconds	90 minutes test: the green light triple blinks during the test

Pushing the test button again will stop any test.