



INSTRUCTIONS

IMPORTANT SAFEGUARDS

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

1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
2. For Indoor use ONLY.
3. Do not let the power cords touch hot surfaces.
4. Do not install near gas or electric heaters.
5. Use caution when servicing batteries. Battery acid can cause burns to the skin and eyes. If acid is spilled on skin or eyes, flush acid with fresh water and contact a physician immediately.
6. The equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
7. The use of accessory equipment not recommended by the manufacturer, may cause an unsafe condition, and will void the unit's warranty.
8. Do not use this equipment for other than its intended purpose.
9. Servicing of this equipment should be performed by qualified service personnel.
10. **SAVE THESE INSTRUCTIONS!**

INSTALLATION

Wall Mount (Single Face Only):

1. Extend unswitched 24 hour AC supply of rated voltage to a junction box (supplied by others) installed in accordance with all applicable codes and standards. Leave a minimum of 8 inches of slack on the wire. This circuit should NOT be energized/live at this time.
2. Remove the faceplate. Remove and discard the canopy kit located inside the sign cavity (Fig. 1 & 2).
3. Remove the cover screw and lift the cover up and out of the way. The front mounted heads are wired to the charger board; these can remain connected if the cover does not interfere with the installation (Fig. 1).
4. For installation directly over the electrical junction box, the sign is supplied with universal spider knockouts and keyhole slots stamped into the back of the powerpack. Alternatively, conduit knockouts are stamped into the top and side for surface wire conduit connection. Knock out the appropriate hole(s) and bring wires through the hole(s) and into the battery unit (Fig. 2).
5. Mount the unit securely into place. Do not rely on the electrical connections as the only support for the unit; use supplied keyhole mounting slots (Fig. 2).
6. Make proper wiring connections between the incoming AC supply and both the charger transformer and sign LEDs:
RED = Line 347 Volts; ORANGE = Line 277 Volts; BLACK = Line 120 Volts; WHITE = Neutral.
Sign LEDs: RED = Line 277/347 Volts; BLACK = Line 120 Volts; WHITE = Neutral.
BROWN is provided instead of RED for special voltages (Fig. 3).

Insulate unused wire! Connect ground to supplied green ground wire in accordance with local codes. Reassemble all wire connections and connectors. CAUTION! - Failure to insulate unused wire may result in a shock hazard or unsafe condition as well as equipment failure.

7. Connect remote load wires (if any) to lamp output terminals.
8. Uncoil the wire lead(s) from the Positive (+) and/or Negative (-) charger board terminals and connect to the matching terminal connector on the battery (ies) (Fig. 3 & 5).
9. Secure all internal wires.
10. Install the cover and secure the powerpack cover screw.
11. Slide the faceplate and the pictogram into the sign frame, then replace and secure the faceplate screw (for steel sign).
12. Turn on AC line voltage supply.
13. Manually position each head to achieve the desired emergency light distribution/placement.

Ceiling or End Mount (Single or Double Face):

1. Follow Steps 1 to 3 of Wall Mounting except DO NOT discard the canopy kit located inside the sign.
2. If double face is required, remove the backplate, and install the second faceplate.
3. A single wire pass-thru and pair of canopy screw knockouts are stamped into the top and end of the sign. Knock out the appropriate set of three (3) holes (Fig. 4).
4. Secure the canopy to the sign using the supplied hardware.
5. Feed all wiring into the sign through the wire pass-thru hole.
6. Mount the sign securely to the wall or ceiling. The hole spacing in the canopy is designed to fit most standard electrical junction boxes. A steel, universal spider plate is supplied to allow mounting to alternate size/type boxes (Fig. 4).
7. Follow Steps 6 to 13 of Wall Mounting to complete installation.

Figure 1

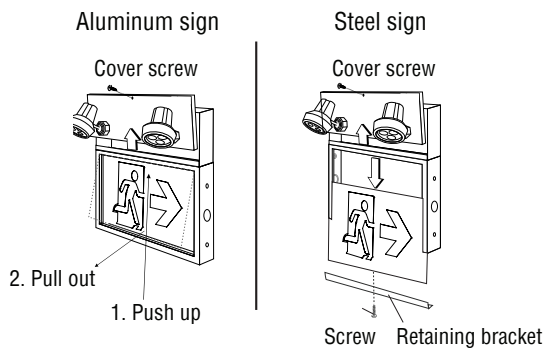


Figure 2

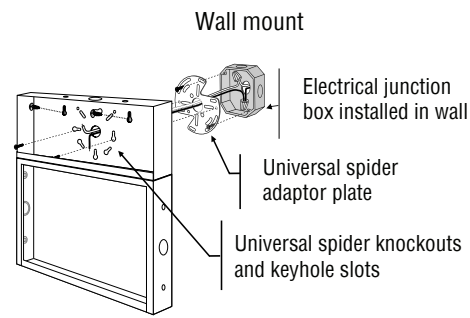


Figure 3

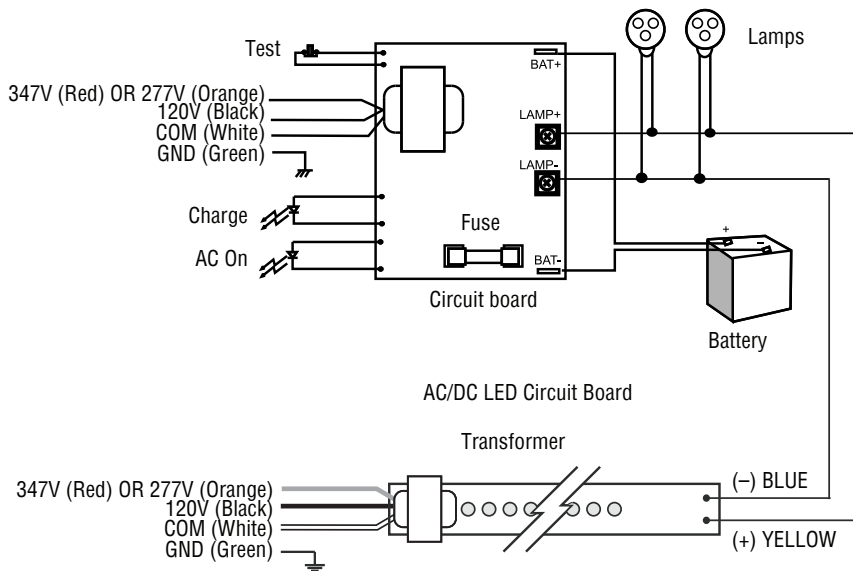


Figure 4

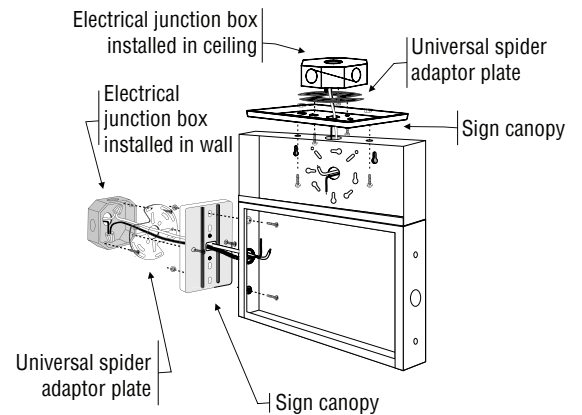
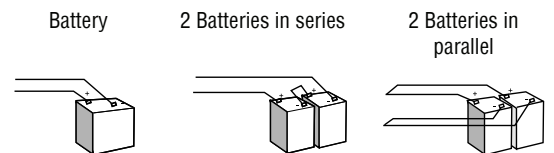


Figure 5



OPERATION

1. To Test, depress the TEST Switch. The CHARGE indicator will go out and the connected DC lamps will come on.
2. Release the TEST Switch. DC lamps will be extinguished, and the CHARGE indicator will come on.
3. A bright CHARGE LED indicator light indicates a high charge rate. After the battery has reached full charge, the indicator light will go out. Under normal operation, the high charge indicator will turn on and off intermittently while the unit is in standby mode (regular AC is present), in order to maintain an optimal battery performance.

MAINTENANCE

1. Code requires that the equipment be tested every 30 days for 30 seconds, and that written records be maintained for all test results and repairs. Further, the equipment is to be tested once a year for the required duration as per Code. The battery is to be replaced or the equipment repaired whenever the equipment fails to operate as intended during the duration test. The manufacturer strongly recommends compliance with all Code requirements.
2. Clean face(s) on a regular basis to provide maximum performance in case of an emergency. NOTE: The servicing of any parts should be performed by qualified service personnel only. The use of replacement parts not furnished by the manufacturer, may cause equipment failure and will void the warranty.

SAVE THESE INSTRUCTIONS