

Extruded Aluminum Pictogram Sign



IMPORTANT SAFEGUARDS

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

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. All servicing should be performed by qualified service personnel.
2. Do not use outdoors.
3. Do not let power supply cords touch hot surfaces.
4. Do not mount near gas or electric heaters.
5. Use caution when handling batteries. Avoid possible shorting.
6. Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
7. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
8. Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS

Installation Instructions

1. Turn off AC power.
2. Route AC circuit of rated voltage into the junction box and leave 6" wire length.
3. Remove face plate from frame by sliding the face plate upwards and pivoting the bottom outwards.
4. Install the appropriate pictogram panel into the faceplate by inserting the top of the panel into the groove of the faceplate then insert the bottom of the panel into the bottom groove of the faceplate (see Figure 2).
5. Do the same for the opal diffuser.
6. Follow the proper mounting procedure below.

Wall mounting

- a. Knock out the proper hole pattern in the back plate to mount to a standard junction box. Place a support on either side of the knockout to be removed and then knock out with a screwdriver.
- b. Feed AC supply leads, and DC leads if applicable, through the center hole.
- c. Mount the unit securely to the junction box using the junction box screws (see Figure 3).

Ceiling or End mounting (with canopy)

- a. Determine desired mounting orientation of sign.
- b. Remove the proper knockouts in the frame for the canopy with a hammer and screwdriver. The knockouts are located on the side for end mount and the top for ceiling mount.

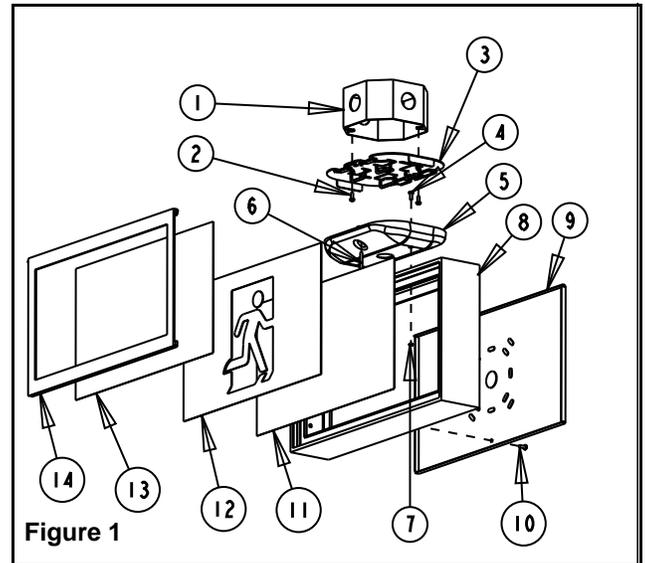


Figure 1

Parts List

- | | |
|--------------------------------------|---------------------|
| 1. Junction box | 8. Frame |
| 2. Junction box screw (not provided) | 9. Backplate |
| 3. Spider plate | 10. Backplate screw |
| 4. Screw #8-32 SHORT (2) | 11. Opal diffuser |
| 5. Canopy | 12. Pictogram panel |
| 6. Screw #8-32 LONG | 13. Clear panel |
| 7. Keps nuts #8-32 (2) | 14. Faceplate |

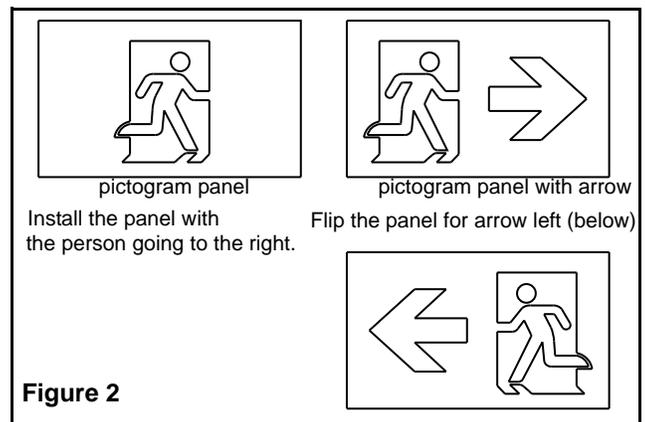


Figure 2

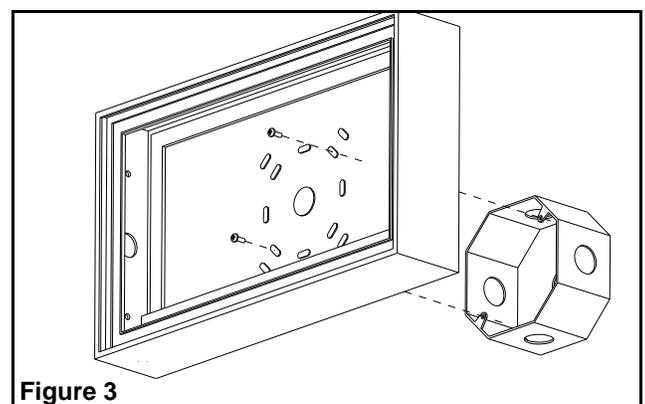


Figure 3

- c. Fasten the canopy to the frame using #8-32 Short screws and keps nuts provided (see Figure 1).
 - d. Route AC wires, and DC wires, if applicable, through the large hole of the frame canopy assembly.
 - e. Use the cable tie mounting base and ty rap® (provided) to position the wires so that there will be no interference with the panels.
 - f. Connect the green ground wire to the service ground or the ground connection in the junction box.
 - g. Fasten the spider plate to the junction box using the junction box screws. Align two threaded holes in the spider plate to line up with the canopy holes on the frame canopy assembly for correct mounting position, end or ceiling.
 - h. The “Quick-install” canopy is equipped with ribs allowing you to hang the unit to the spider plate to facilitate wiring (See Figure 4).
7. Make the proper wire connections. On the standard universal model, our unit accepts an input voltage of 120 VAC to 347 VAC (see Figure 5).
 - a. Connect neutral to (white wire). Connect AC line to (purple wire).
 - b. Insulate all unused wires.
 - c. Feed excess wire into the junction box.
 8. For remote powered DC units, connect the red wire to the positive of the DC supply and the blue to the negative (6 to 24 VDC).
 9. Secure the canopy unit assembly to the spider plate using the long screw provided (6).
 10. Re-install the faceplate with pictogram panel assembly.
 11. Turn on AC supply. The legend will light.

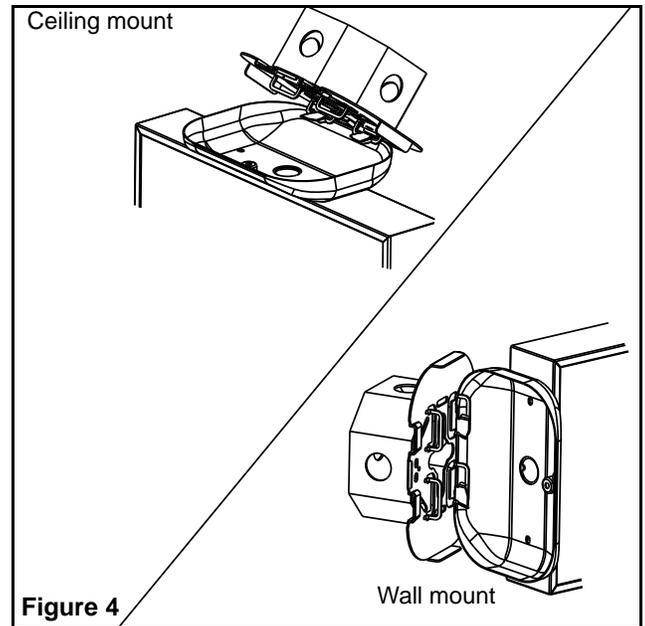


Figure 4

AC/DC Models

Refer to Figure 5 for AC or DC wiring.

For DC portion Wire the Red lead (+) to the positive DC input voltage and the Blue lead (-) to the negative DC input voltage. Note: DC input voltage range is 6 volts to 24 volts.

Manual Testing (self-powered models)

Operate test switch, the pilot light will turn off and LED strip will flicker. Release test switch, LED strip will flicker again and pilot light will be illuminated. If LED strip appears dim or does not light up on test, leave AC connected for at least 15 minutes and re-test. If still incorrect, contact a serviceman or the factory for assistance.

Automatic testing and diagnostics (optional)

A built in micro-controller will self-test the unit and identify display failures of the unit on a monthly basis and identifies as well as displays failures of the electrical components: battery, battery charger and LEDs.

Self-test

The self-test is performed every 30 days for 1 minute, every 6 months for 30 minutes, and annually for 90 minutes.

Diagnostic function

The diagnostic function uses a bi-color pilot LED indicator. Service is required if the LED turns red indicating that an alarm condition is detected (see Figures 5 and 6).

Maintenance

None required. Unit should be tested monthly in accordance with safety codes and local codes. If AC supply to the unit is to be disconnected for 2 months or more, the battery must be disconnected (self-powered models only).

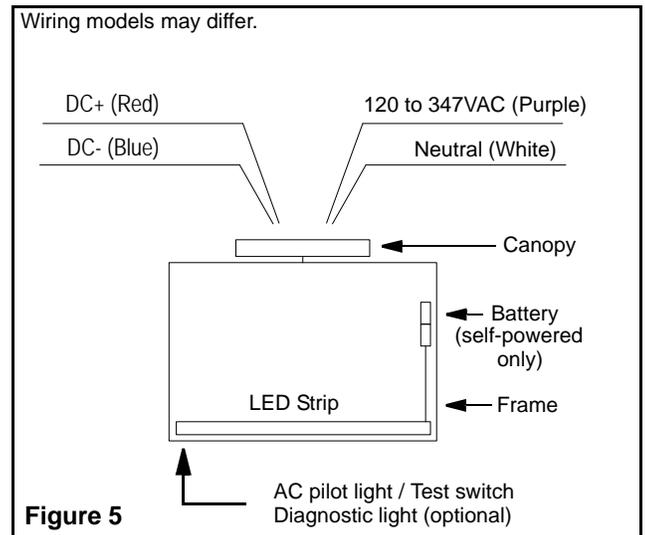


Figure 5

Diagnostic table			
O	Green	Steady on	AC on
-O	Green	One Blink	In Test
O	Red	Steady On	Battery Disconnect
-O	Red	One Blink	Battery Failure
O-O	Red	Two Blinks	Charger Failure
O-O-O-O	Red	Four Blinks	LED Strip Failure

Figure 6

Note: (Nickel-Cadmium) batteries are shipped discharged and may require 10 minutes of connection to AC supply before start-up test procedure, and 96 hours to reach full charge.