

## X30 - Plastic Pictogram

**WARNING:**  
Risk of Shock.  
Disconnect Power before Installation.

### 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 unswitched AC circuit into electrical box and leave approximately 6" of spare wire.
3. Remove the face plate using a coin or a screwdriver at the top or bottom of the face plate. For models with vandal resistance option, you will require a special bit to unscrew three(3) screws. Bit sold separately (part number 990.0119).
4. Select the proper pictogram panel (see fig. 2a and b). Place the opal diffuser on top of the pictogram panel while making sure to peel off the protective film (see fig. 1).

**Important!** Need to have faceplate and pictogram panel oriented as per fig.2a and b with the two extrusions on top. For double face units, arrows need to be pointing in the opposite directions as shown in fig.2b.

5. Install the four(4) diffuser clips(13) to secure the panels.
6. Follow the proper mounting instruction (wall, end or ceiling) and continue to step 7.

#### Wall mount

- a. Knock out the proper hole pattern in the back plate to mount to a standard junction box (see fig. 3).

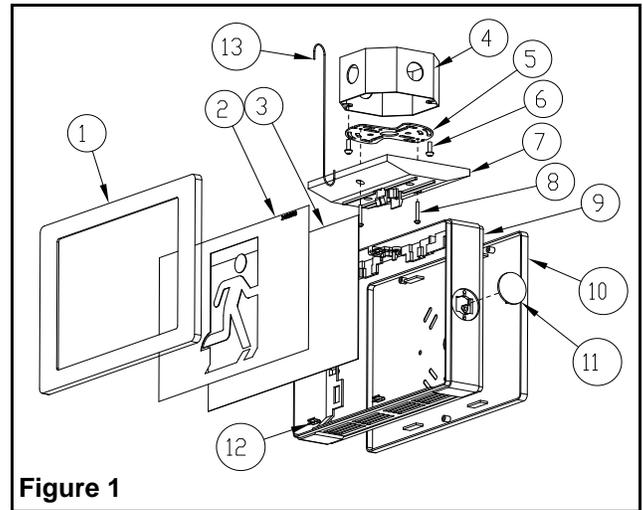


Figure 1

#### Part List

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| 1. Face plate                         | 8. Canopy screw (2)                   |
| 2. Pictogram panel (2)                | 9. Housing                            |
| 3. Opal diffuser                      | 10. Back plate (or second face plate) |
| 4. Junction box (not provided)        | 11. Canopy plug                       |
| 5. Spider plate                       | 12. Diffuser clips (4)                |
| 6. Junction box screws (not provided) | 13. Hook                              |
| 7. Canopy                             |                                       |

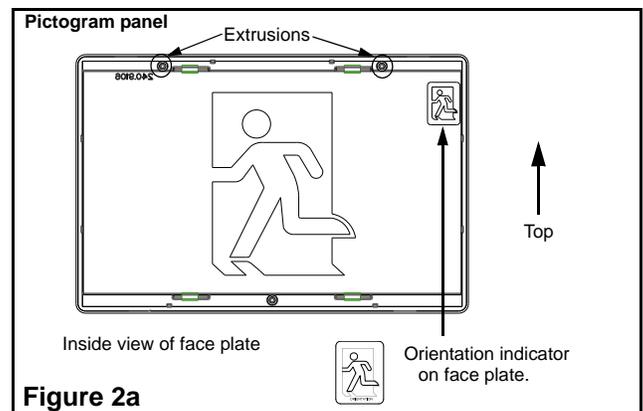


Figure 2a

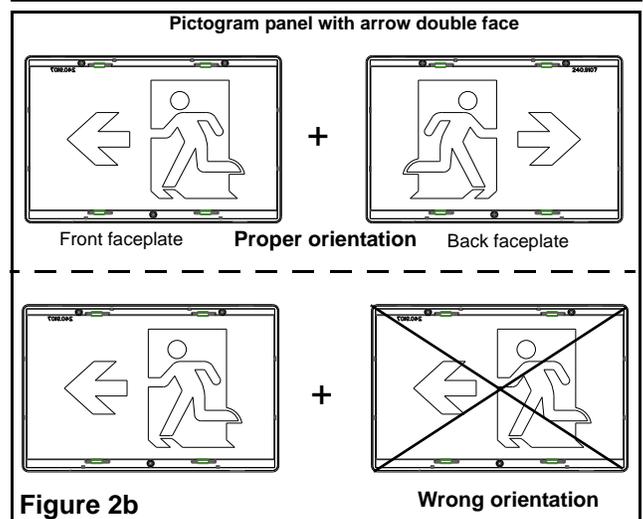


Figure 2b



Important: for black single face units stick the white Mactak® on the inside surface of the back plate over the hole pattern and pierce the Mactak® where the knockouts were made.

- b. Feed the AC supply leads out through the center hole and make the proper connections (See step 7 and Fig.5).
- c. Feed the excess wire into the junction box and secure the back plate to the junction box using the junction box screws.
- d. Position the wires to avoid interference with the panels. The wires must remain in contact with the frame. Any loose wires will produce shadows in the legend.

### Ceiling and End mount



Important: for black single face units only: install the white Mactak® to the inside surface of the back plate over the hole pattern.

- a. Remove canopy plug at the top or end of exit frame.
- b. Snap canopy to frame (see fig. 1 and 4).
- c. Install spider plate to junction box using the junction box screws.
- d. Feed AC supply leads through side or top opening and canopy.
- e. Hang unit from wall or ceiling with hook supplied.
- f. Make the electrical connections as described at step 7 and fig. 5. Position wires with the help of the tyrap® to avoid any interference with the panels.
- g. Install the fixture/canopy assembly to spider plate using the two canopy screws in kit.

7. Make the appropriate connections (see fig. 5). The system accepts an input voltage of 120 VAC (standard) or 347 VAC (in option).

**120 VAC** — Connect the black wire (120 VAC) and white (neutral) to the building utility.

**347 VAC** — Connect the red leads (347 VAC) and white (neutral) to the building utility.

**Connect DC wires**, if applicable. Wire the Red lead (+) to the positive DC input voltage and the Blue Lead (-) to the negative DC input voltage. Push connectors and excess wiring back into junction box.



**Important:** DC wire connections must be physically isolated from AC wire connections.

**Important:** Use tyrap® provided to retain wires against the housing wall. Failure to do so will result in shadows across the illuminated panel.

8. Fasten the housing to the back plate by using the 3 screws provided. See figure 6 for screw size and placement.
9. Re-install the face plate with pictogram panel assembly.

### Self-Powered Models

#### Manual testing

Press test switch. Legend will flicker, but remain lit. On release, external green LED will illuminate, and automatic charger will restore battery to full charge.

#### Maintenance

None required. If AC supply to the unit is to be disconnected for 2 months or more, the battery must be disconnected, Self-Powered Models only.

**Note** - NiCd (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.

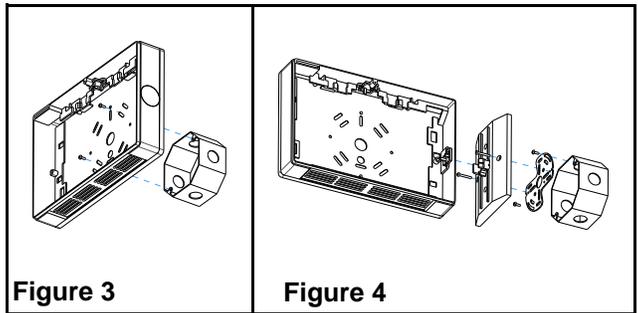


Figure 3

Figure 4

(Wiring shown is for ceiling mount. Other configurations must be wired in the same fashion.)

### 120 VAC (standard) or 347 VAC (option)

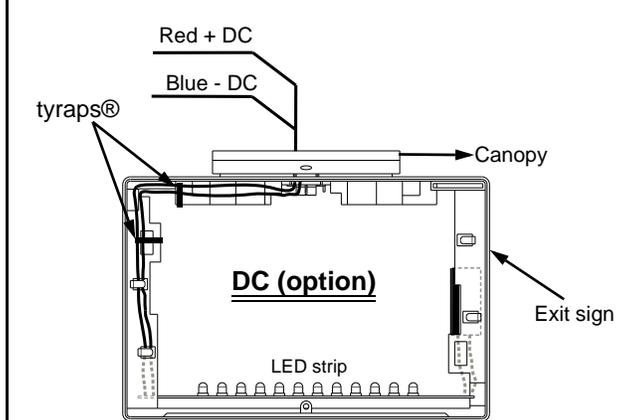
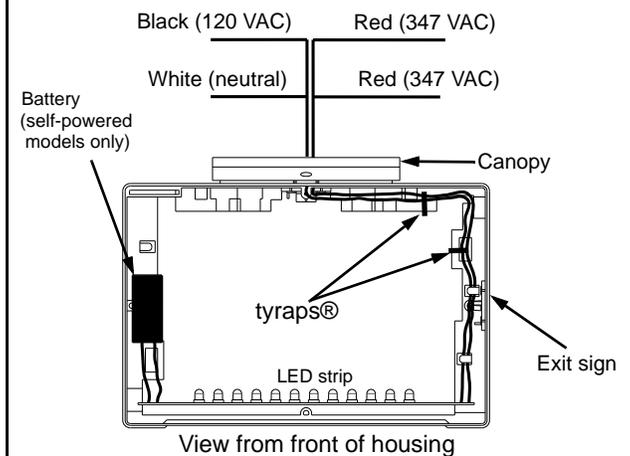


Figure 5 View from back of housing

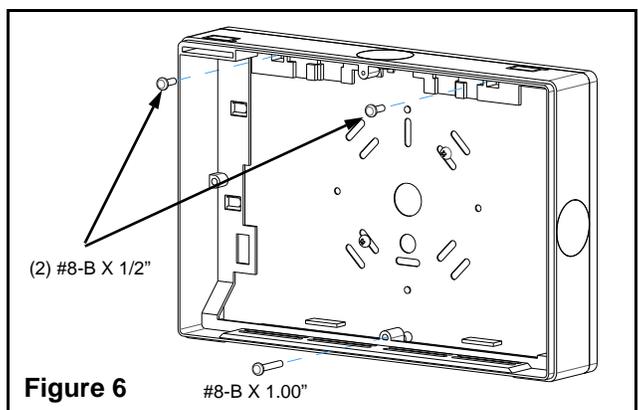


Figure 6