

**120VAC/277VAC**  
**AC ONLY LED EXIT OR SELF-POWERED LED EXIT WITH SELF DIAGNOSTICS**  
**SUITABLE FOR WET LOCATION**  
**SINGLE OR DOUBLE FACE**  
**INSTALLATION AND OPERATING INSTRUCTIONS**

## IMPORTANT SAFEGUARDS

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

## READ AND FOLLOW ALL SAFETY INSTRUCTIONS

All servicing should be performed by qualified personnel only.

Do not mount near gas or electric heaters.

Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.

The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.

Do not use this equipment for other than intended use.

Do not mount near open flames or sparks.

## SAVE THESE INSTRUCTIONS

**WARNING** - Shut off AC power to branch circuits to which units will be connected. All wiring should be per National Electrical Code and local regulations.

To maintain warranty, equipment with batteries must be installed or placed on charge within prescribed period after shipment.

Determine mounting method required and select appropriate instructions. Electrical hookups are to be made inside outlet box. All parts needed to mount the exit are supplied with the exception of wire nuts for AC service connections.

## INSTALLATION INSTRUCTIONS

### 1. EXIT FRAME AND PANEL PREPARATION

- A. Remove the front and back panels of sign by removing the screws from each panel. (See Figure 1)
- B. Remove AC connector assy.
- C. Remove light chamber assembly to protect components while removing knockouts.
- D. If exit is to be CANOPY MOUNTED, make provisions for assembling canopy to frame by removing top knockout or either end knockout in frame. Do NOT assemble canopy at this time.
- E. If exit is to be SURFACE MOUNTED, prepare backplate by removing appropriate knockouts. (See Figure 3)
- F. Replace light chamber assembly. Dress wires to keep wires outside of light chamber.
- G. Screw back panel onto frame (backplate for surface mount – a clear cover and stencil combination for double faced installation). Be certain gasket is compressed evenly all around the perimeter.

### 2. TOP OR END CANOPY MOUNT INSTALLATION

- A. Locate 4 wire AC connector assembly (removed earlier). Pass flying leads thru center hole in crossbar. Secure crossbar to outlet box. (See Figure 9) Outlet box must be mounted flush with wall or ceiling surface.
- B. Make AC service connections at this time as follows:

<b>120V Input</b>	<b>OR</b>	<b>277V Input</b>
Black wire to line	OR	Red wire to line
White wire to common		White wire to common
Green wire to ground		Green wire to ground
Unused primary wire must be insulated to prevent shorting.		

If a 2 circuit option was ordered (2ckt1 or 2ckt2), wire as follows:

<b>3 PHASE CIRCUITS</b>	<b>2CKT1 WIRING</b>
<b>TWO 120VAC, 60HZ INPUTS</b> Black wire to first 120V leg Orange wire to second 120V leg White & Yellow wire to common Green wire to ground	<b>120VAC, 60HZ 2 CIRCUIT INPUT</b> Black wire to primary 120V leg Orange wire to backup 120V leg White wire to primary common Yellow wire to backup common Green wire to ground
<b>TWO 277VAC, 60HZ INPUTS</b> Blue wire to first 277V leg Orange wire to second 277V leg White & Yellow wire to common Green wire to ground	<b>2CKT2 WIRING</b> <b>277VAC, 60HZ 2 CIRCUIT INPUT</b> Blue wire to primary 277V leg Orange wire to backup 277V leg White wire to primary common Yellow wire to backup common Green wire to ground

If fire alarm option has been ordered, connect fire alarm input to the two grey leads (no polarity required).

**CAUTION:** At power up, if red and green led indicators toggle on and off in an alternating pattern, immediately turn off AC power and check AC wiring per the above chart. Fast flashing indicates high line voltage and slow flashing indicates low line voltage.

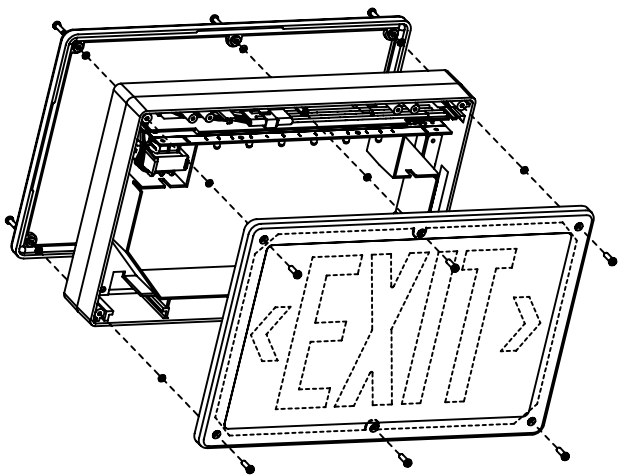
- C. Attach gasket 'B' to canopy. Cut off excess gasket material if desired. Attach two gaskets "C" to other side of canopy. (See figures 7 & 9)
- D. Pass AC connector thru slot in canopy. Attach canopy to crossbar using two #8-32 x 1/4" flat head screws supplied. (See Figures 2 & 9). Orient canopy as required and tighten screws.
- E. Pass AC connector through knockout slot in exit frame. Position frame over canopy lugs and slip lugs into slot. Secure canopy with two #8-32 x 5/8 hex washer head screws supplied. (See Figure 4).  
 (NOTE: Canopy lugs have recesses on one side for screw heads. Assemble canopy so that recesses face out. See Figure 4.)

### 3. SURFACE MOUNT INSTALLATION

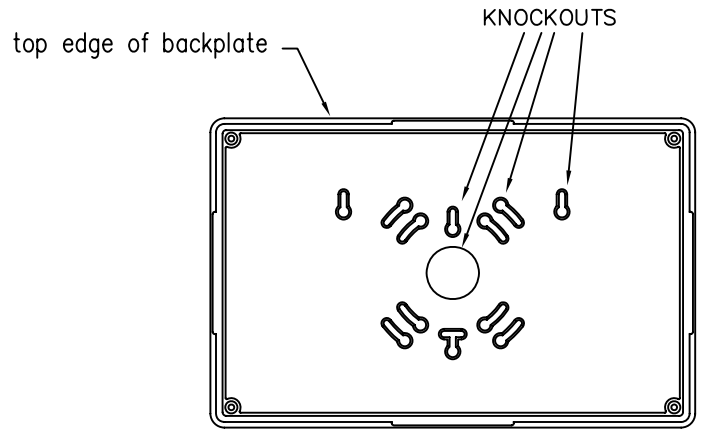
- A. Attach gasket 'A' to backplate (See Figure 8). Locate 4 wire AC connector assembly (removed earlier) and make AC service connections per Note 2B. (See figure 5).
- B. Pass AC connector thru hole in backplate and secure exit assembly to outlet box. Outlet box must be flush mounted with wall surface.
- C. Reattach front panel.

### 4. OPERATION

- A. Energize AC and ensure that exit is illuminated.
- B. Leave AC connected for a minimum of 24 hours before performing any extended testing. Full recharge of batteries may take up to one (1) week.

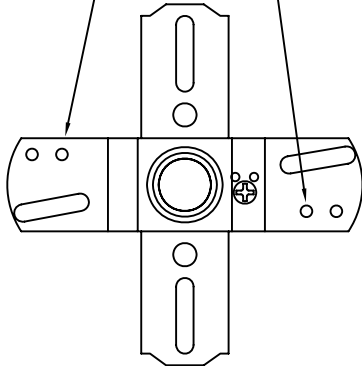


**FIGURE 1**

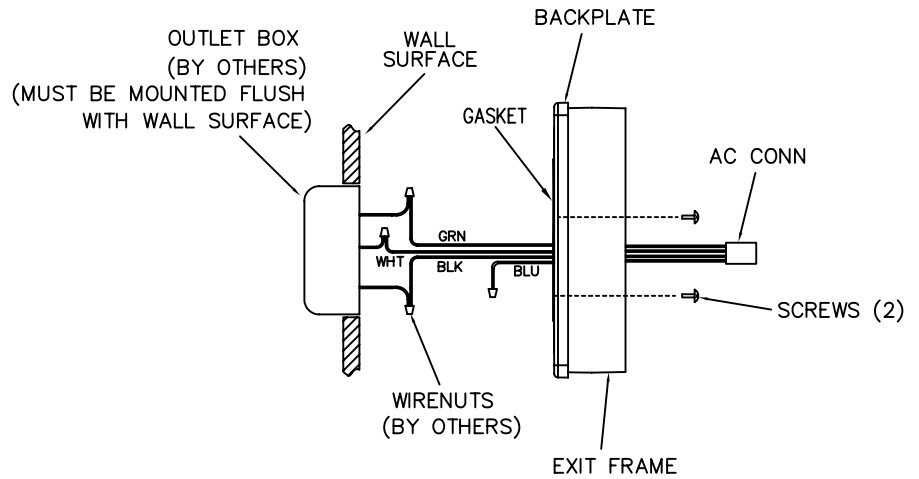


**FIGURE 3**

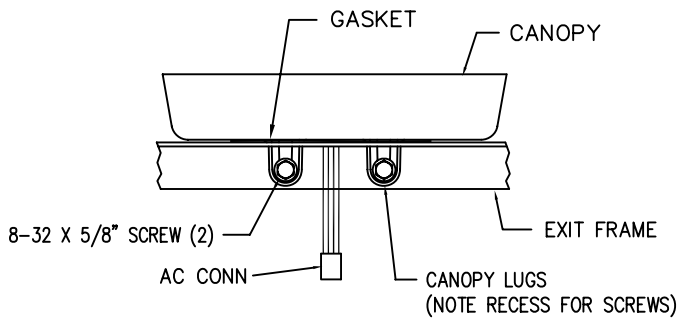
USE THESE HOLES FOR CANOPY SCREWS



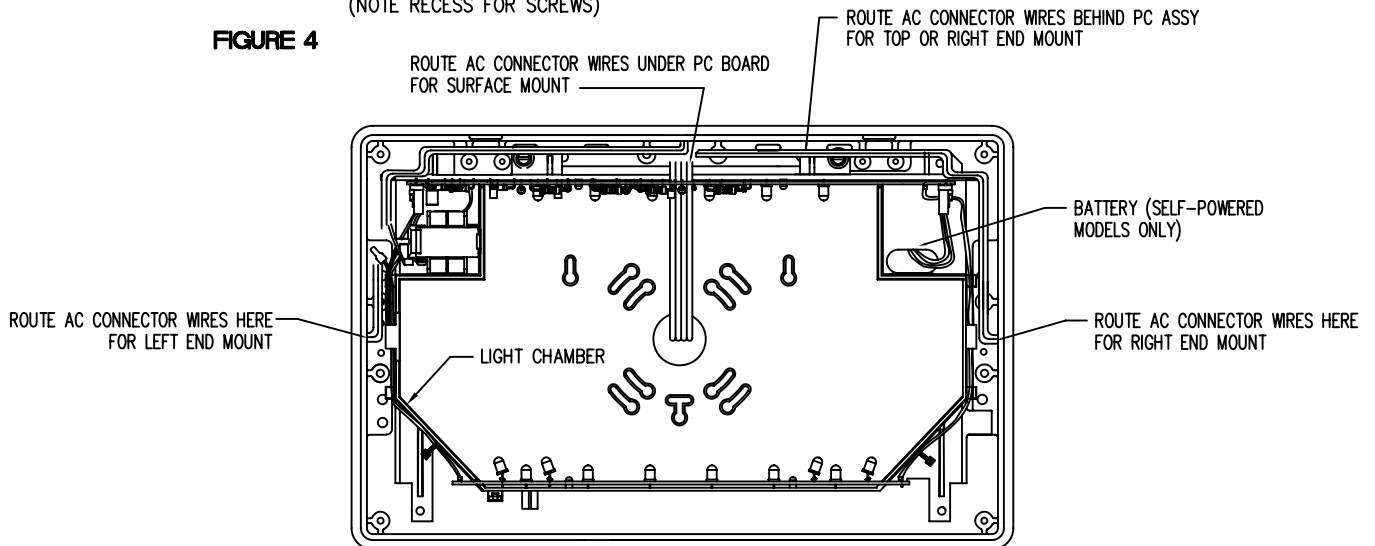
**CROSSBAR  
FIGURE 2**



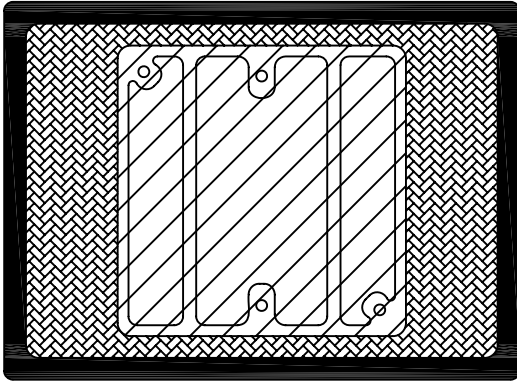
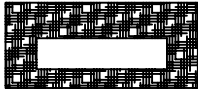
**120V CONNECTIONS SHOWN  
FIGURE 5**







**FIGURE 4**

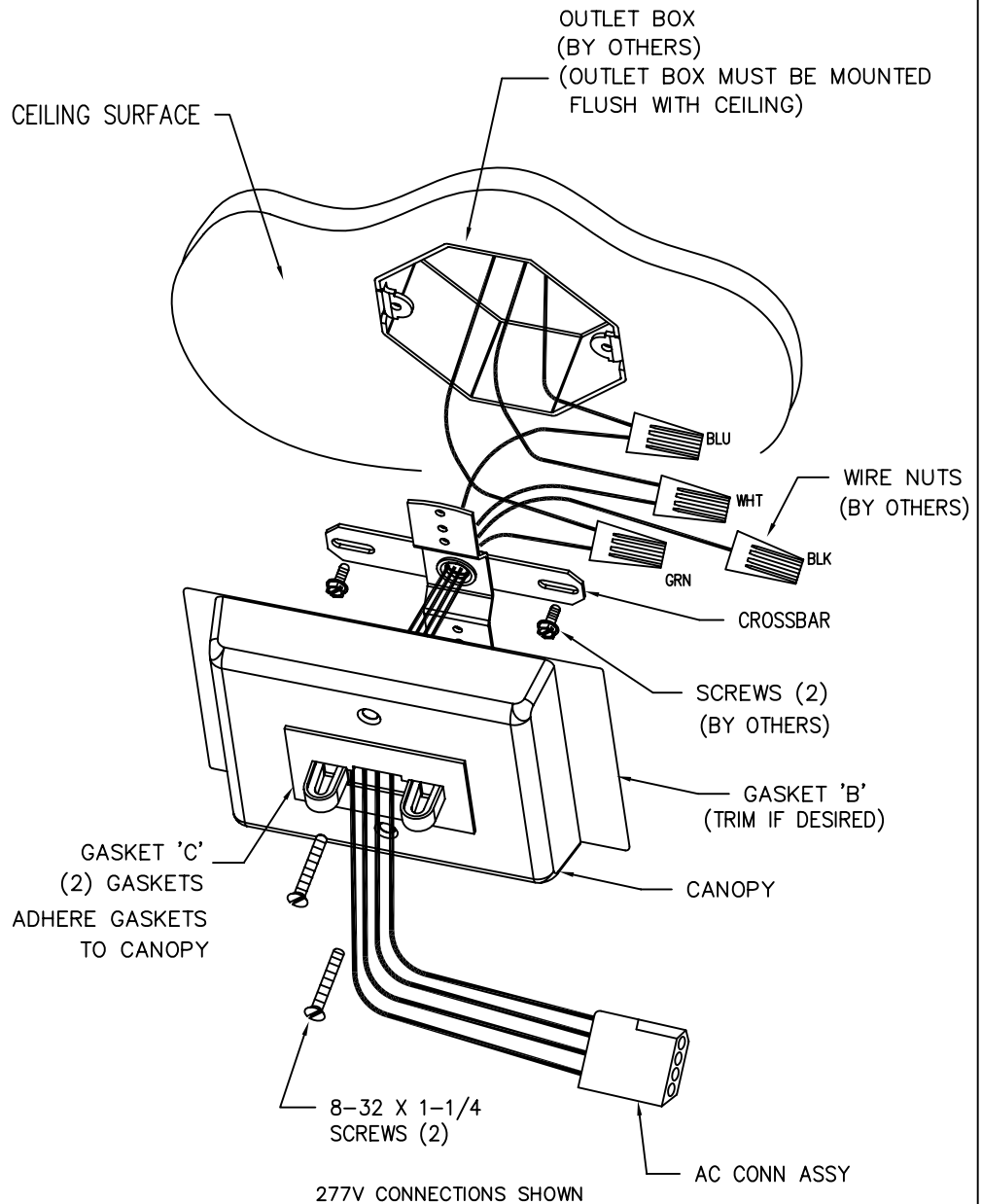


**FIGURE 6**

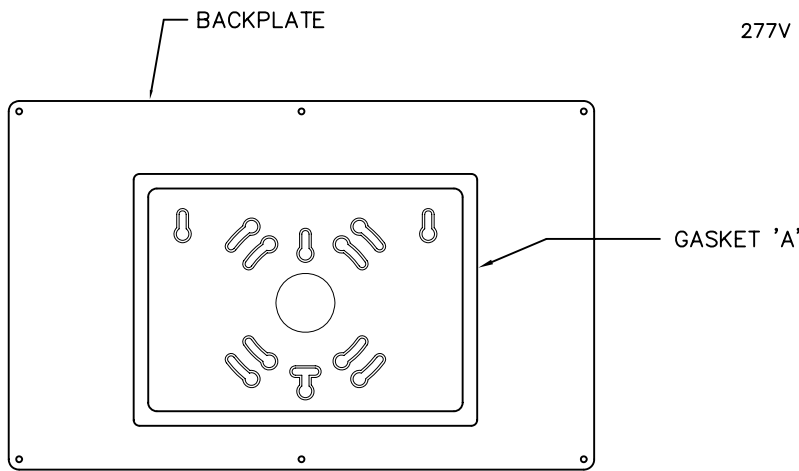


-  GASKET A
-  GASKET B
-  GASKET C
-  DISCARD (NOT USED)

**FIGURE 7**



**FIGURE 9**



BACK VIEW OF EXIT

**FIGURE 8**

# SMART CHARGER SYSTEM OPERATION

(SELF-POWERED UNITS ONLY)

press - initiates various self-tests.

**One press** - Cancel any self-test currently running

**Two presses** - Start 1 minute self-test

**Three presses** - Start 90 minute self-test

**Seven presses** - Forces a complete system reset

(The unit will allow up to seven 60-second tests during the first 24 hours of operation. Allow at least 24 hours for battery charging before performing any extended amount of testing.)

Buzzer - Sounds in unison with the flashing red LED if a fault is detected. May be disabled for up to 196 hours by a short press of the test switch.

IR Receiver - Used with the optional hand-held IR remote tester to initiate or cancel manual testing.