

120VAC/277VAC  
EMERGENCY OR AC ONLY  
LED CAST EXIT  
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 let power supply cords touch hot surfaces.

Do not mount near open flames or sparks.

Do not install equipment in areas of excessive moisture.

## 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 supply connections.

## INSTALLATION INSTRUCTIONS

- A. Door of exit sign is hinged at the bottom. To open, insert screwdriver near finger grooves located on top of exit and turn. Pull exit face open. (See Figure 1)

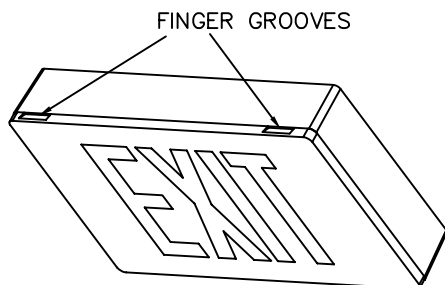


FIGURE 1

PAGE 1  
9140053109 Rev. 1

- B. Remove Light Chamber Assy.
- C. Chevrons (left, right, or both) may be knocked out with a screwdriver and hammer. Bend back lens and knock out chevron from the **INSIDE** of the door.  
Support door when removing knockouts to prevent distortion.
- D. With appropriate chevron knockouts removed, peel backing from the double coated tape located around the exit stencil. Carefully install lens and press against tape to secure. (See Figure 2)
- E. Make provisions for assembling canopy (IF USED) to frame by removing top knockouts or either of the end knockouts as in Note 1C.
- F. If exit is to be SURFACE MOUNTED prepare frame backplate by removing appropriate knockouts in backplate as in Note 1C. (See Figure 3)
- G. Assemble canopy (IF USED) to exit frame with nipple and (2) nuts. **(See Figure 4 for proper orientation of canopy to exit frame.)**
- H. Replace Light Chamber Assy. Secure with (4) 8-32x3/8 Phillips pan head screws supplied in canopy kit. Be sure both green ground wires are secured if they were removed with chamber. (See Fig. 3) Dress wires to prevent shadowing.
- I. Route wires from light chamber through nipple or frame backplate.
- J. Secure crossbar to outlet box IF SURFACE MOUNTED.
- K. IF SURFACE MOUNTED, Route AC and Accessory wires, IF USED, thru knockout hole in backplate and mount exit frame to wall.
- L. Make AC service connections at this time as follows: (See Figure 5 & 6)

<b>120V INPUT</b>	<b>OR</b>	<b>277V INPUT</b>
Black wire to line		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 preventing shorting.

**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 chart below. Fast flashing indicates high line voltage and slow flashing indicates low line voltage.

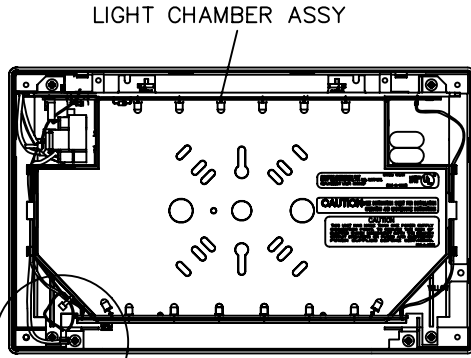
A hanger may be used to support exit while making AC service connections.

- M. If Fire Alarm Flasher option is Supplied:  
Connect one grey wire to 24VDC POSITIVE  
Connect other grey wire to 24VDC NEGATIVE  
Use wire nuts for connection, (not supplied)
- N. Mount canopy to crossbar using (2) 8-32x3/8 combo screws supplied in canopy kit.
- O. Energize AC and check that exit is illuminated.

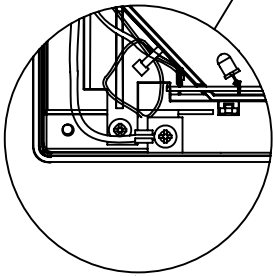
### STEPS P AND Q FOR EMERGENCY OPERATION UNITS ONLY

- P. Press test switch and verify that pilot lamp shuts off and exit is illuminated.
- Q. 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.

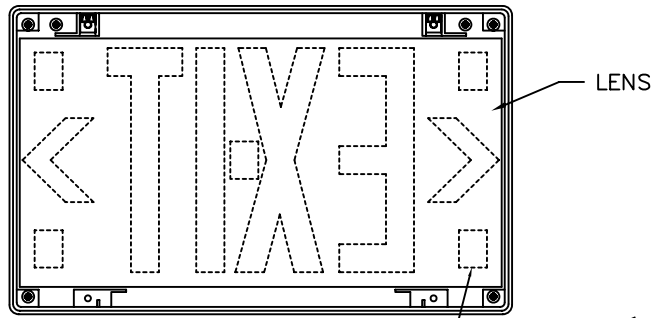
# CAST LED EXIT



EXIT DOOR NOT SHOWN.  
**FIGURE 3**

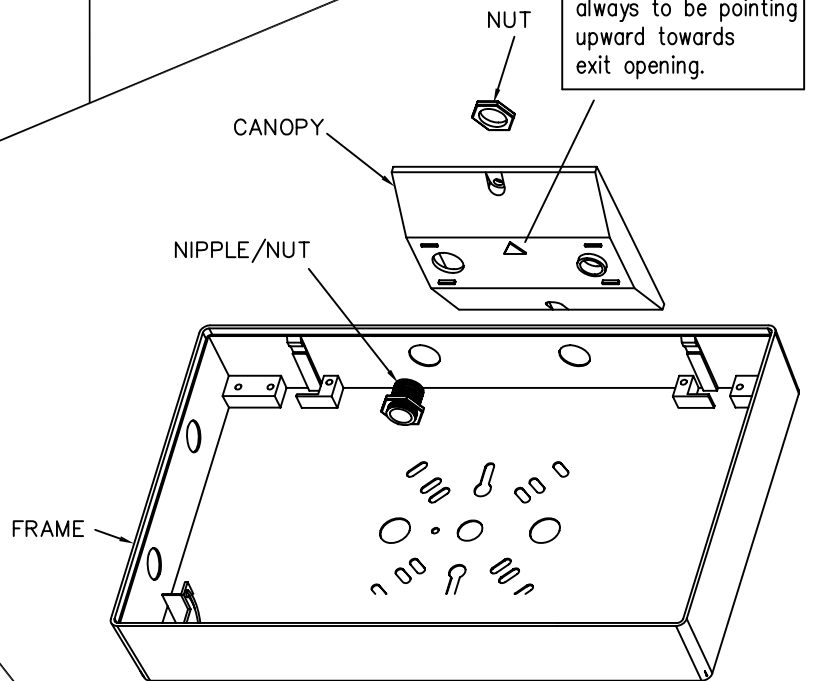


SECURE GROUND WIRES AND SMALL SQUARE PLATE ON TALL POST (ONLY IF THEY WERE REMOVED WHEN REMOVING KNOCKOUTS IN HOUSING)

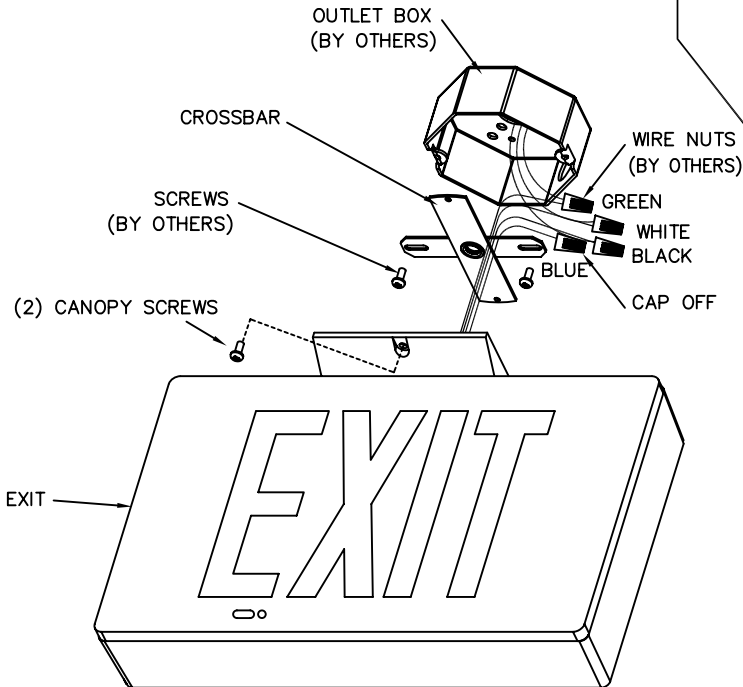


INSIDE VIEW OF DOOR  
**FIGURE 2**

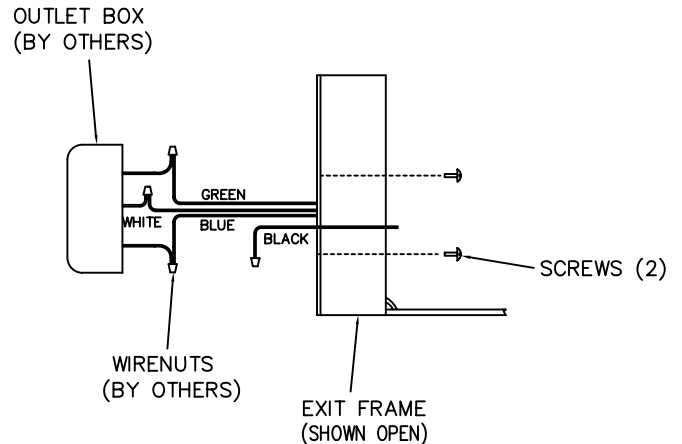
Canopy mounting orientation indicator always to be pointing upward towards exit opening.



DOOR NOT SHOWN.  
**FIGURE 4**



120V CONNECTIONS SHOWN  
**FIGURE 5**



277V CONNECTIONS SHOWN  
**FIGURE 6**

# INTELLI-CHARGE SYSTEM OPERATION

(EMERGENCY OPERATION UNITS ONLY)

d Green LED indicators together

- Slow flashing red and green - Low line voltage
- Fast flashing red and green - High line voltage

Pushbutton test switch

- Long press (over 0.5 second) - Transfers unit to emergency (battery) operation as long as button is depressed
- Short 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.