

Fig. 3 Battery Connections and DIP Switch Settings

Transformer Board Switch Setting and Location*

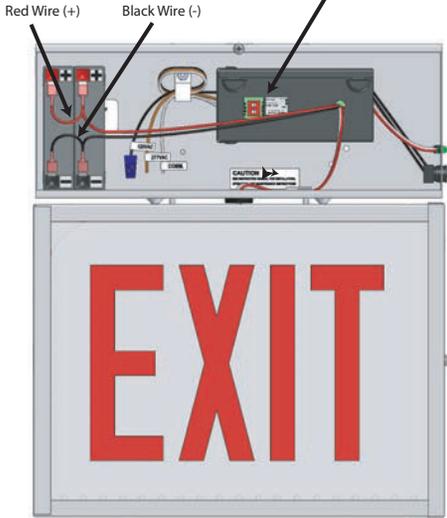
WARNING: LED LIGHT STRIP MUST BE CONNECTED TO TRANSFORMER BOARD BEFORE APPLYING POWER

(DIP Switch Preset For 277VAC)

Follow these guidelines before applying power to the circuit board:

For proper operation of this power board, the power wires and DIP switch are to be connected as follows:

- 120 VAC application - white & black wires - switch setting to left
- 277 VAC application - white & orange wires - switch setting to right



*Non-Self diagnostic units only.

SELF-TEST & SELF-DIAGNOSTIC
INSTRUCTION MANUAL

(EXIT SIGNS WITH SEALED LEAD ACID, NiCd or NiMH BATTERIES)

KEEP THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE

Operation

The purpose of this option is to provide self-testing and self-diagnostic capabilities to the EXIT sign. At predetermined intervals, the EXIT sign will automatically switch into battery mode. Refer to the Self-Test section of this page for timing details. The EXIT sign will also perform various self-diagnostic tests of the unit. Visual signaling will alert maintenance personnel to a fault of the EXIT sign electronics, battery and/or battery charger. The circuitry continuously monitors the operating condition of the EXIT sign and battery charging circuit/battery supply voltage. Refer to Self-Diagnostic section of this page for fault reporting details.

LEDs

The EXIT sign is provided with a state-of-the art pulse charging system for the battery. The yellow LED (STEADY STATE) indicates that the charger is turned off. The red LED (CHARGER ON) indicates that the battery is under full charge. NOTE – the “STEADY STATE” and “CHARGER ON” LEDs will toggle faster with a discharged battery. A fully charged battery will cause the “STEADY STATE” LED to be illuminated longer than the “CHARGER ON” LED. The green “AC ON” LED indicates that normal AC power is being supplied to the EXIT sign. The red “UNIT ALERT” indicates whenever the self-diagnostic system has detected a fault condition. An audible alert will sound on units provided with an audible alarm (option “AA”) whenever the self-diagnostic system has detected a fault condition.

Self-Test Features

- The EXIT sign will automatically switch to battery mode every 28 days for a period of 5 minutes.
- The EXIT sign will automatically switch to battery mode every 6 months for a period of 90 minutes.

Test Button Features

- Pressing the “TEST BUTTON” once will switch the unit into battery mode for a period of 2 seconds.
- MANUAL TEST - Pressing the “TEST BUTTON” twice (in rapid succession), will switch the unit to battery mode for a period of 15 minutes. Pressing the “TEST BUTTON” once while the unit is MANUAL TEST mode will cancel the manual test and return to unit to normal AC power.
- RESET – Pressing the “TEST BUTTON” 3 times will reset the red “UNIT ALERT” LED. If multiple faults are present, it may be necessary to repeat this procedure for each remaining fault indicated by the “UNIT ALERT” LED.
- On units provided with an audible alarm (option “AA”), pressing and holding the “TEST BUTTON” for 5 seconds will disable the alarm for 24 hours.

Self-Diagnostic Features

Refer to the chart below when the “UNIT ALERT” LED is blinking.

Number of Blinks	Unit Fault	Corrective Action
1	Battery is Disconnected	Check battery connections
2	Battery	Replace battery
3	Not Applicable	Not Applicable
4	Charger	Check battery then consult factory
5	Transfer (AC to DC)	Check battery then consult factory

Use in accordance with local building codes.

CSXE SERIES
LED EXIT SIGN

IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- 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 is not recommended by manufacturer and may cause an unsafe condition.
- Do not use equipment for anything other than intended use.

SAVE THESE INSTRUCTIONS



WARRANTY
5 YEAR LIMITED*

Manufacturer will replace or repair any components, which fail due to manufacturer’s defects or workmanship, for a period of 5 years. The warranty does not cover physical damage or abuse, and manufacturer reserves the right to charge for such repairs if deemed necessary.

*Battery is covered separately by a 5 year pro-rated warranty through manufacturer.

Installation Instructions

WARNING: Shut off AC power to branch circuits to which units will be connected. All wiring should be in accordance with the National Electrical Code and/or local building codes.

Wall Mounting Instructions:

1. Remove appropriate knockouts from (4) Back Mounting Plate and secure to outlet box with field supplied screws (Fig. 1-1).
2. Slide (2) Main LED Housing over (4) Back Mounting Plate as shown in Fig. 1-2 (a),(b).
3. Thread building supply wires through center knockout (Fig. 1-1). Make electrical hookups as follows:
4. Adjust DIP switch on circuit board to the appropriate position [for non-G2 units] (refer to Fig. 3). If provided with batteries, make appropriate connections (Fig. 3).
5. Install (3) Glass Panel and secure (5) End Cap with (6) End Cap Screw.
6. Refer to section "SELF-TEST..." for equipment with G2.

120V AC
White - Common
Black - 120V
Green - Ground

277V AC
White - Common
Orange - 277V
Green - Ground

NOTE:
ENSURE AC ELECTRICAL CONNECTIONS ARE MADE WITHIN JUNCTION BOX [Fig. 1-1 (a)].

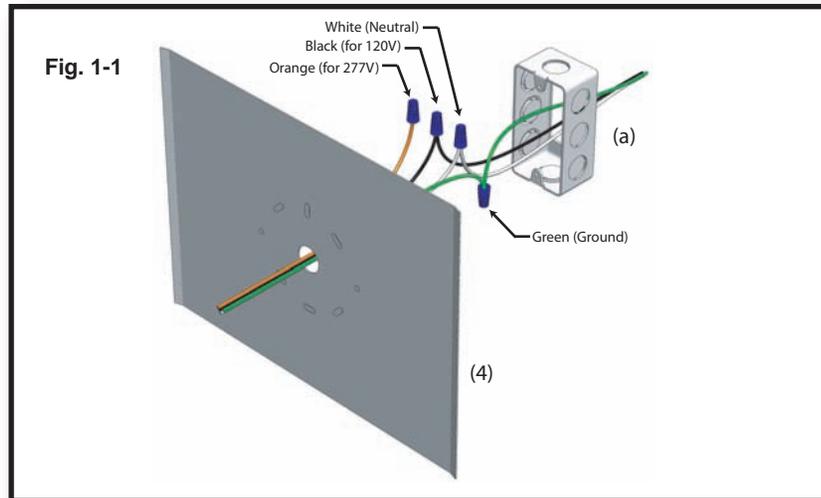
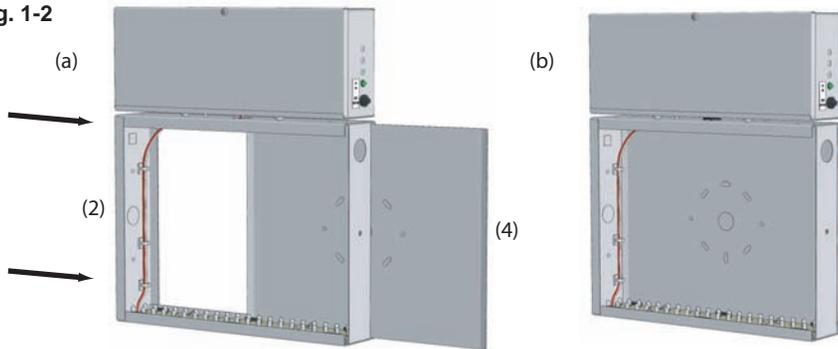


Fig. 1-2



Ceiling or End Mounting Instructions:

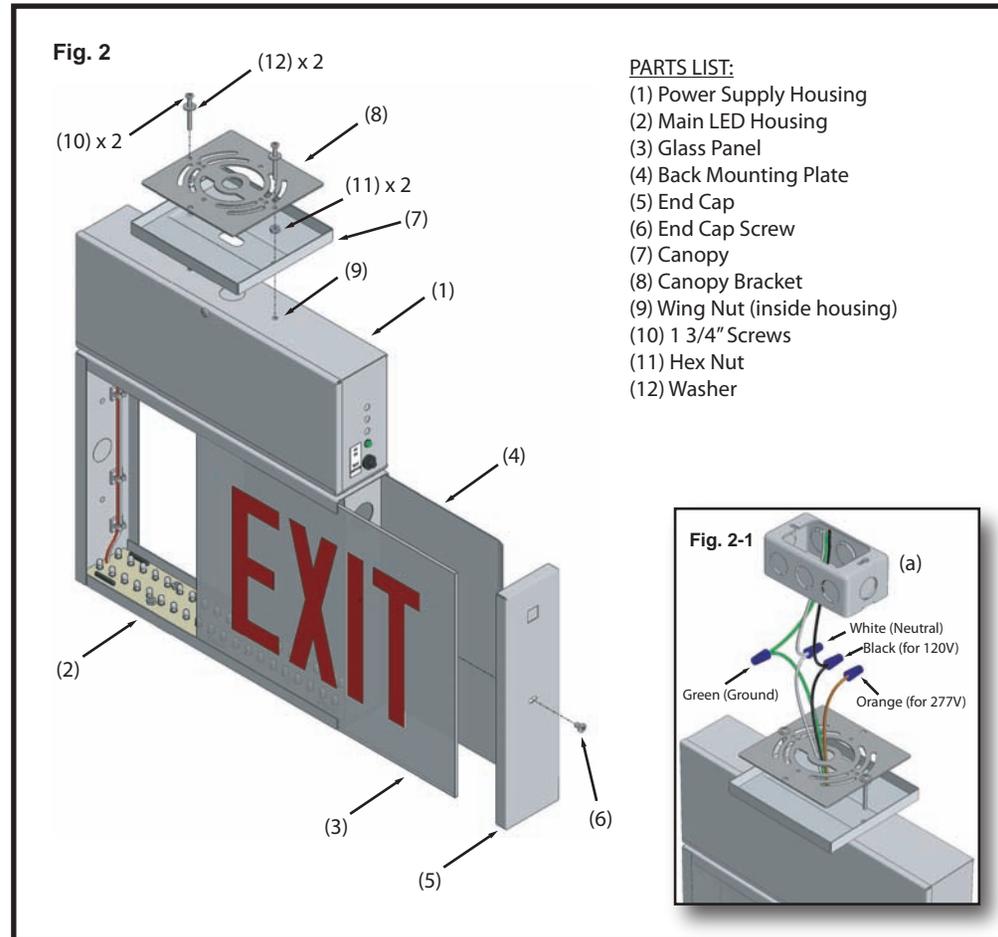
1. Remove knockout in top of (1) Power Supply Housing for ceiling mounting or side knockout on (2) Main LED Housing for end mounting.
2. Install (10) Screws and (12) Washers into (8) Canopy Bracket. Secure (10) Screws with (11) Hex Nuts.
3. Thread building supply wires through center hole and secure (8) Canopy Bracket to outlet box in ceiling with field supplied screws.
4. Place (7) Canopy and EXIT sign on to (10) Screws for mounting [top of (1) Power Supply Housing for ceiling mount or side of (2) Main LED Housing for end mount].
5. Fasten to (10) Screws using supplied (9) Wing Nuts.
6. Make appropriate AC connections as follows:

120V AC
White - Common
Black - 120V
Green - Ground

277V AC
White - Common
Orange - 277V
Green - Ground

7. Adjust DIP switch on circuit board to the appropriate position [for non-G2 units] (refer to Fig. 3). If provided with batteries, make appropriate connections (Fig. 3).
8. Install (3) Glass Panel and secure (5) End Cap with (6) End Cap Screw.
9. Refer to section "SELF-TEST..." for equipment with G2.

NOTE:
ENSURE AC ELECTRICAL CONNECTIONS ARE MADE WITHIN JUNCTION BOX [Fig. 2-1 (a)].



PARTS LIST:

- (1) Power Supply Housing
- (2) Main LED Housing
- (3) Glass Panel
- (4) Back Mounting Plate
- (5) End Cap
- (6) End Cap Screw
- (7) Canopy
- (8) Canopy Bracket
- (9) Wing Nut (inside housing)
- (10) 1 3/4" Screws
- (11) Hex Nut
- (12) Washer