

Self-Testing/Self-Diagnostic Operation **(G2 Option)**

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 circuit continuously monitors the operating condition of the AC power, battery supply voltage, transfer and charging circuit. If a failure is detected, visual status will occur immediately via the red UNIT ALERT LED. Pressing the TEST BUTTON three times will remove the fault indication.

System Monitoring (G2 Option)

"The Guardian" (G2) circuit utilizes four LED's to provide visual status of the equipment.

Green "AC ON" LED: During normal operation, the green status LED will be constantly illuminated, indicating the presence of AC power.

Yellow "STEADY STATE" LED: When illuminated, the battery has reached full capacity and the charger is off.

Red "CHARGER ON" LED: When illuminated, the battery charger is on. Allow 24 hours for initial charge of a new battery, or newly installed sign.

Red "UNIT ALERT" LED: When illuminated, the self-diagnostic feature has detected a unit fault. Refer to Self-Diagnostic section of this page for fault reporting details.

Self Test Timing: The Exit Sign will automatically switch to battery mode every 28 days for a period of 5 minutes. Every 6 months, the Exit Sign will automatically switch to battery mode for a period of 90 minutes.

Test Button Operation: 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.

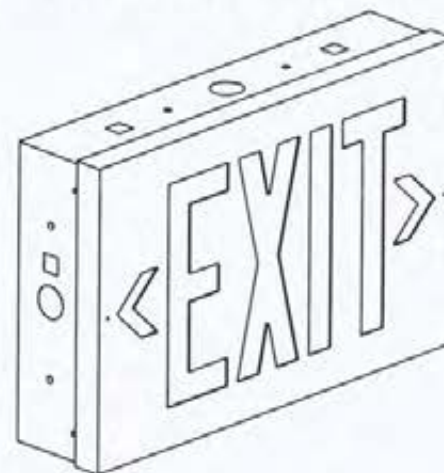
RESET - Pressing the "TEST BUTTON" 3 times will reset the red "UNIT ALERT" LED. If multiple faults are present, it may be necessary to repeat this procedure for each remaining fault indicated by the "UNIT ALERT" LED.

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.*

STEEL LED EMERGENCY EXIT SIGN



IMPORTANT SAFEGUARDS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

Do not use outdoors.

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 equipment for other than its intended use.

MEETS OR EXCEEDS UL 924



**LISTED
9801680**

WARNING: Installation and servicing should be performed by qualified service personnel only!
For indoor use only, unless model number is suffixed with DR. Connect no other accessories of any kind to this product.
Please review instructions and determine knockout locations before beginning installation.

Enclosure Mounting Instructions

1. Remove faceplate and white reflector (if provided).
For units suffixed with "EL", refer to Installation Instructions on right side of this page.
2. Mount enclosure to wall or ceiling.

Arrow Selection

3. Carefully knock-out desired arrow(s) from faceplate.

Electrical Connections

4. Feed input supply wires from unit through knockouts to outlet box in wall or ceiling.
5. Make electrical connections in outlet box in accordance with local building codes.

For 120V Input: Use Black & White Wires

For 277V Input: Use Orange & White Wires

Disregard instructions 6, 9, and 10 when installing an AC sign only.

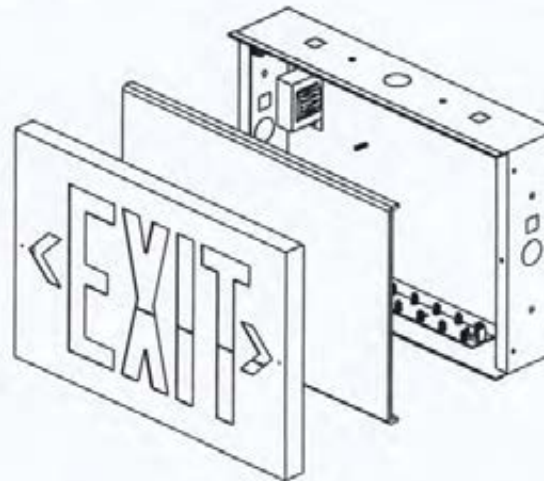
6. Attach battery leads to battery. Allow battery to charge for 24 hours prior to conducting a 90 minute discharge test.

Testing

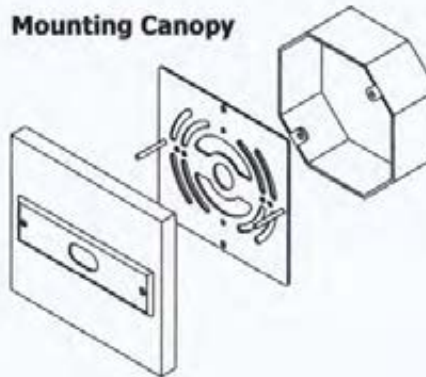
7. When the AC power is applied, the "EXIT" legend will illuminate. For units with batteries, the green "battery charge" indicator will also illuminate, indicating the charging circuit is functioning.
8. Test battery charge condition by depressing the test button located on the bottom of the sign. With a charged battery, the "EXIT" legend will illuminate. Should the "EXIT" legend fail to illuminate, allow battery to charge for 24 hours before attempting another test. Contact the factory if the unit does not function properly after charging the batteries for 24 hours.
9. When operating on emergency power, the green LED will extinguish.

Caution:

- To avoid shadowing of sign face, route and dress all wires around edges and back of the enclosure, and avoid blocking LED's.
- Do not leave excessive lengths of wire inside signs.



Mounting Canopy



Flashing Specifications

- Units suffixed with EL, FB and FL have a flashing legend during emergency operation.
- Units suffixed with A1 and A2 will flash when triggered by an external fire alarm relay. The flash rate is 40 cycles/minute with a 50% duty cycle.

"EL" Option Emergency Light Installation

1. Remove knock-outs on top or side of enclosure as needed.
2. Fasten lamps to enclosure with hardware provided.
3. Connect one wire from each lamp to the red or purple wire on the back of main circuit board.
4. Connect the remaining wire from each lamp to the blue or yellow wire on the power board.
5. When completed, "EL" lamps "EXIT" legend will illuminate in emergency mode.

Self-Diagnostic Operation (G1 Option)

The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. The circuitry continuously monitors the operating condition of the battery charging circuit and battery supply voltage.

If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

System Monitoring (G1 Option)

BATTERY FAULT LED (normally not lit) – when illuminated, the battery supply voltage is below a predetermined level. Replace the battery if the BATTERY FAULT LED remains illuminated for more than 24 hours with AC power to the EXIT sign. Contact the factory for battery replacement details. The battery type is 4.8V, 700mAh, nickel-cadmium (NiCd).

CHARGER LED (normally lit) – when non-illuminated, the battery is not being properly charged. Contact the factory for details regarding charger replacement.