

PHILIPS

HZ SERIES EMERGENCY LED EXIT

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 any heat producing equipment.

Equipment should be mounted in locations and at heights where it will not be readily 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.

In Class I Division 2 locations, do not replace any non-metallic hardware with metal hardware. Contact authorized agent for factory replacement parts.

In Class I Division 2 areas, install equipment in accordance with appropriate NEC articles plus any other applicable codes.

To avoid static discharge, do not attach any ungrounded metal hardware to the enclosure.

Do not use this equipment outdoors.

**CLASS I DIV 2
HAZARDOUS LOCATION
GROUPS A, B, C, AND D
ZONE 2 GROUPS IIC, IIB AND IIA
CLASS II DIV 2 GROUPS F AND G
AND CLASS III DIV 1 AND 2**

INSTALLATION AND OPERATING INSTRUCTIONS



Install only grounded wiring systems to supply this equipment.

Free installation area of hazardous atmospheres before wiring equipment or servicing, this reduces the risk of accidental explosion due to inadvertent battery shorting during installation.

SAVE THESE INSTRUCTIONS

WARNING – Shut off AC power to branch circuits to which units will be connected. All wiring should be per N.E.C. wiring methods for Hazardous locations.

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

PHILIPS

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INSTRUCTIONS – INSTALLATION

1. Mount exit enclosure to wall using (4) thru holes or optional mounting feet. (See Figure 3).
2. Remove cover screws (2) and open cover. (See Figures 1 and 2).
3. Dismount exit lens by removing lens screws (4). (See Figures 1 and 2).
4. Connect $\frac{3}{4}$ " conduit supply to $\frac{3}{4}$ " hub on unit.
5. Hookup AC service to the connector assembly as follows:

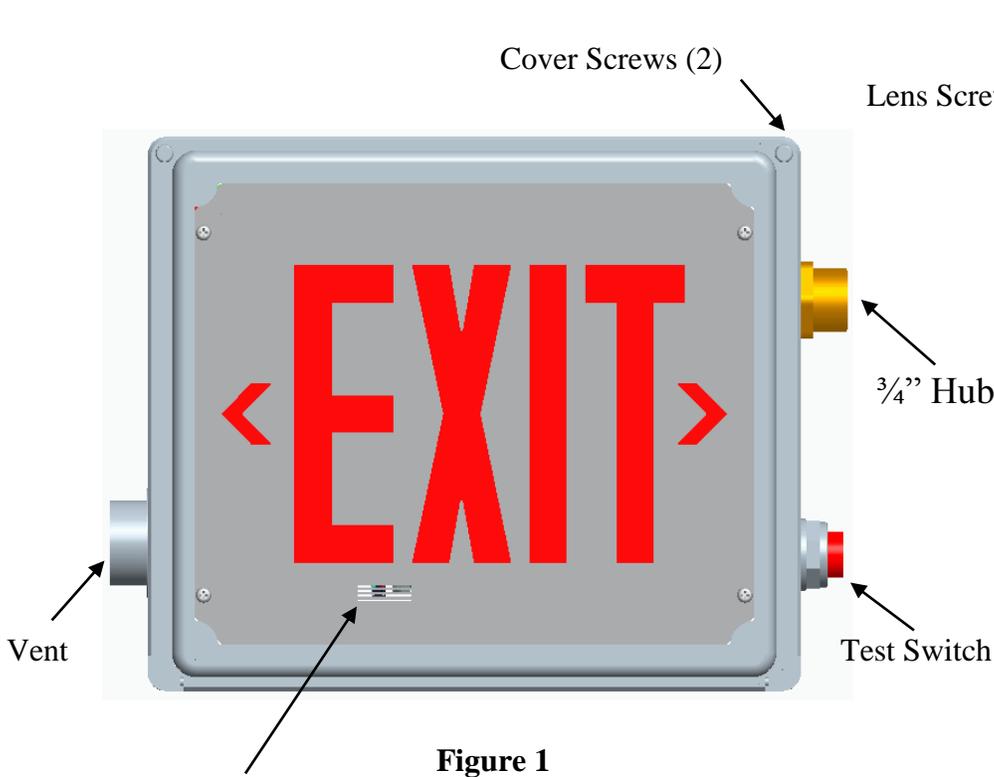


Figure 1

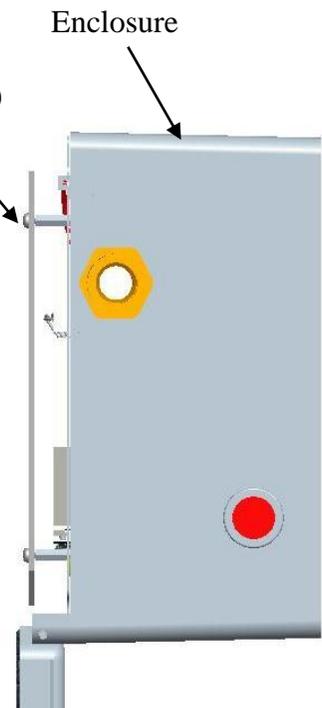


Figure 2

120 VAC OPERATION

Black Wire - 120V Line
 White Wire - Common
 Green Wire - Ground

277 VAC OPERATION

Blue Wire - 277V Line
 White Wire - Common
 Green Wire - Ground

Unused primary wire must be insulated to prevent shorting.



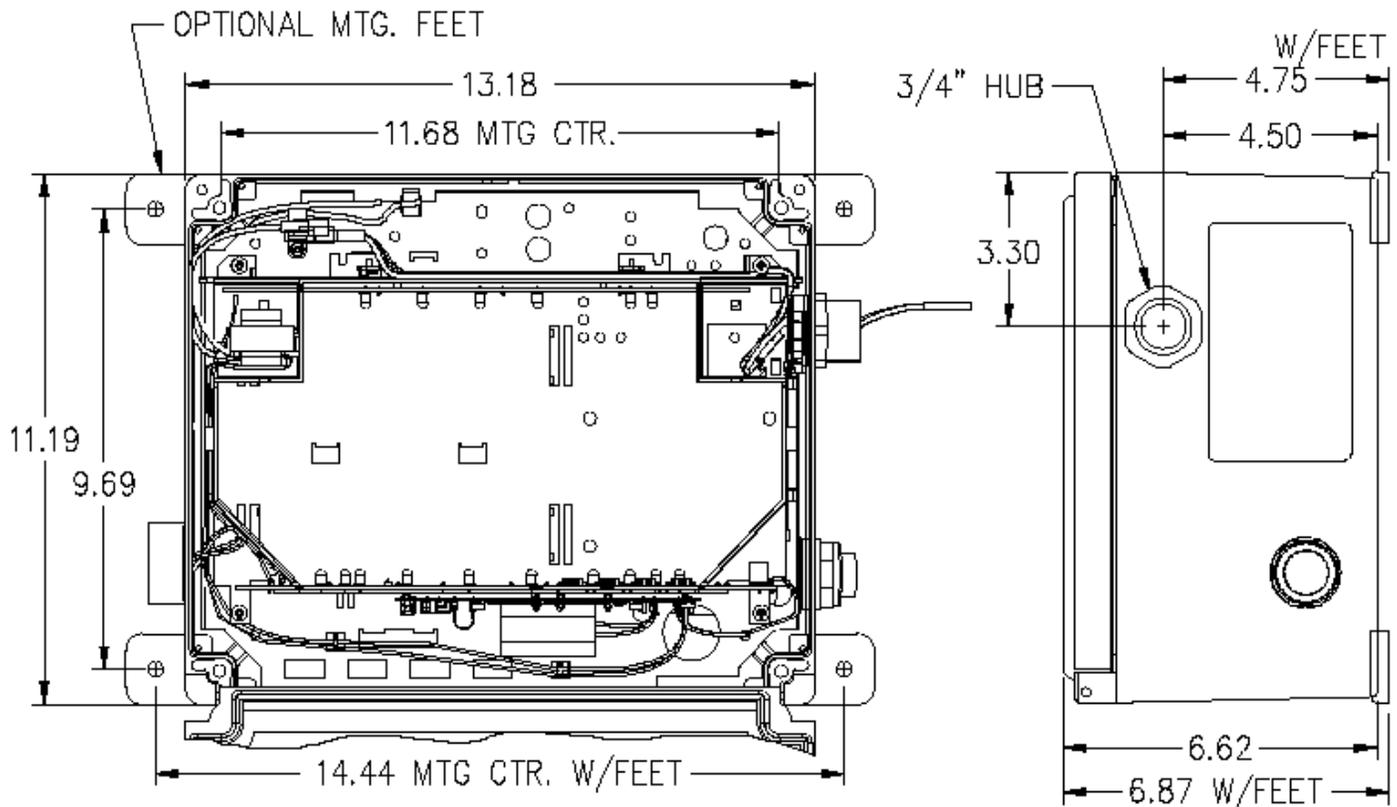


FIGURE 3

6. Chevron labels with self-adhesive backing are supplied. Apply label(s) to exit lens as necessary.
7. Remount exit lens using lens screws. Close cover and secure with cover screws.

INSTRUCTIONS – OPERATION

1. Energize AC power to exit. Unit will initiate normal power-up sequence (See page 4).

Self Diagnostic System Operation – Emergency Light or EXIT Sign Products

Normal Power Up Sequence

At power up the red and green LED indicators will alternately flash for one to two seconds. Next the product will execute a “Power Up Quick Test” causing the green LED indicator to flash rapidly. If any faults are detected during the “Power Up Quick Test” these will be evident by a flashing red LED indicator. If the audible diagnostic option has been ordered, the flashing red LED will be accompanied by a simultaneous beeping tone. **(Note: A continuous rapid alternating Red/Green flash with rapid beeping tone indicates 277V applied to 120V input lead. TURN OFF POWER IMMEDIATELY!)**

Emergency Operation

Emergency operation occurs when AC power fails. The product remains in emergency operation until AC power is restored or battery capacity is depleted. During emergency operation both red and green LED indicators are disabled.

User Interface

Green LED indicator

- Slow Flash/Continuous ON = AC power present; normal operating condition
- Rapid Flash = product performing an automatic or manually initiated diagnostic test

Red LED indicator

- Single Flash = battery fault
- Two Flashes = lamp failure (light bar failure – EXIT signs)
- Three Flashes = charger fault
- Four Flashes = transfer fault

(If more than one fault condition is present simultaneously, the red LED will flash the indication pattern for each fault independently then repeat the cycle.)

Pushbutton Test Switch

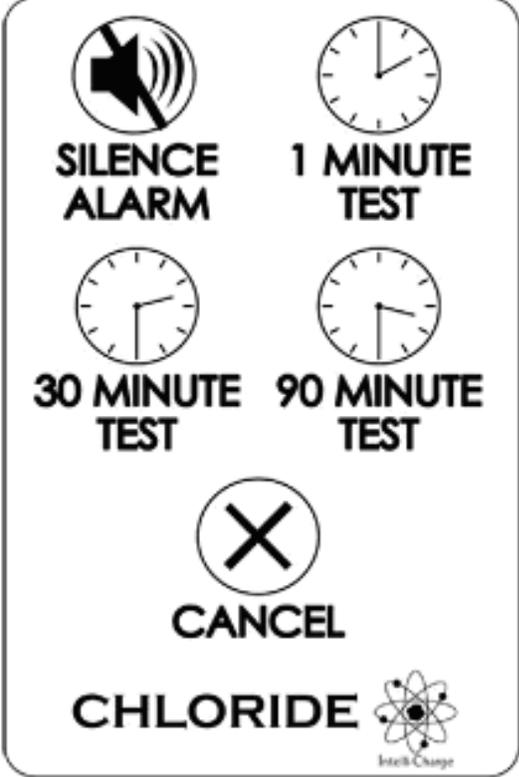
- Long Press (longer than 0.5sec) transfers product to emergency operation during time the button is pressed.
- Short Press initiates self diagnostic activities as follows:
 - One Press cancels diagnostic test presently running.
 - Two Presses starts a one minute diagnostic test.
 - Three Presses starts a 90 minute diagnostic test.
 - Four Presses conducts a lamp load calibration (emergency light products only).
 - Seven Presses initiates a system reset.

(Note: the microprocessor will allow up to seven, one minute diagnostic tests within the first 24 hours of operation. Allow 24 hours of charging before performing any long duration testing.)

Buzzer (optional)– Sounds in unison with the flashing red LED if a fault condition is present. Buzzer may be silenced for up to 196 hours by a short press of either the test switch or the optional IR remote control device “silence” button. Correcting fault condition will cancel fault notification. Lamp failure indication requires a manually activated diagnostic test after lamp replacement to cancel notification.

IR Remote Control (optional)- is a hand held device that allows remote activation of diagnostic testing and silencing of the optional buzzer during fault conditions.



 <p>SILENCE ALARM</p> <p>1 MINUTE TEST</p> <p>30 MINUTE TEST</p> <p>90 MINUTE TEST</p> <p>CANCEL</p> <p>CHLORIDE </p>	<p>OPTIONAL REMOTE CONTROL</p> <p>Front</p> <p>Press appropriate button to perform the indicated test or silence the audible alarm.</p> <p>Cancel stops any test currently in process.</p>
<div data-bbox="267 976 657 1417" style="border: 1px solid black; padding: 5px;"> <p>System Reset: Two presses of "SILENCE ALARM" button followed by two presses of "CANCEL" button.</p> <p>Interpretation of flashing indicator lights on Equipment:</p> <p>Green LED Indicator:</p> <ul style="list-style-type: none"> • Steady On - Normal • Slow Flash - Battery Charging • Fast Flash - Unit is self-testing <p>Red LED Indicator:</p> <ul style="list-style-type: none"> • Single Flash - Battery Fault • Double Flash - Lamp Failure • Triple Flash - Charger Fault • Quad Flash - Emergency Transfer Failure <p>Red and Green LED Indicators flashing together:</p> <ul style="list-style-type: none"> • Slow Flashing - Low Line Voltage • Fast Flashing - High Line Voltage <p>Unit Equipment Lamp Calibration</p> <p>Press "Silence Alarm" twice followed by one press of "Cancel" and one press of "Silence Alarm"</p> <p>For Service Call (910)259-1000</p> </div>	<p>Back</p> <p>Explanation of indicator light flash sequences.</p> <p>Refer to Table 2 above for further information.</p>