CHLORIDE

60 Line

120/277V 60Hz
Wet Location/Vandal Resistant Die Cast
Aluminum Exit Sign

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.

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.

Do not let supply cords touch hot surfaces.

Do not mount near gas or electric heaters.

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 supply connections.

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outlet box (see figure 9). Outlet box must be mounted flush with wall or ceiling surface.

INSTALLATION INSTRUCTIONS

EXIT FRAME AND PANEL PREPARATION

1. Remove the front and back panels of sign by removing the screws from each panel (see figure 1).

2. Remove AC connector assembly.

3. Remove light chamber assembly to protect components while removing knockouts.
4. 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.

5. If exit is to be SURFACE MOUNTED, prepare backplate by removing appropriate knockouts (see figure 3).

6. Replace light chamber assembly. Dress wires to keep wires outside of light chamber.

7. Screw back panel onto frame (backplate for surface mount – a clear cover and stencil combination for double-faced installations). Be certain gasket is compressed evenly all around the perimeter.

TOP OR END CANOPY MOUNT INSTALLATION

1. Locate four (4) wire AC connector assembly (removed earlier). Pass flying leads through center hole in crossbar. Secure crossbar to

2. Make AC service connections at this time as follows:

   Green wire – ground
   White wire – common
   Black wire – 120 VAC
   Red wire – 277 VAC

   Unused primary wire must be insulated to prevent shorting.

If a 2 circuit option has been ordered (2CKT1 or 2CKT2), wire as follows:

TWO 120 VAC 60 HZ INPUTS – 3 PHASE
Black wire to first 120V leg
Orange wire to second 120V leg
White and Yellow wires to common
Green wire to ground

TWO 277 VAC 60 HZ INPUTS – 3 PHASE
Blue wire to first 277V leg
Orange wire to second 277V leg
White and Yellow wires to common
Green wire to ground

2CKT1 WIRING
Black wire to primary 120V leg
Orange wire to backup 120V leg
White wire to primary common
Yellow wire to secondary common
Green wire to ground

2CKT2 WIRING
Blue wire to primary 277V leg
Orange wire to backup 277V leg
White wire to primary common

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Yellow wire to secondary common
Green wire to ground

If the 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 connections chart. Fast flashing indicates high line voltage and slow flashing indicates low line voltage.

3. Attach gasket 'B' to canopy. Cut off excess gasket material if desired. Attach two gaskets 'C' to other side of canopy (see figures 7 and 9).

4. Pass AC connector through slot in canopy. Attach canopy to crossbar using two #8-32 by ¼" flat head screws supplied (see figures 2 and 9). Orient canopy as required and tighten screws.

5. 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).

SURFACE MOUNT INSTALLATION

1. Attach gasket 'A' to backplate (see figure 8). Locate four (4) wire AC connector assembly (removed earlier) and make AC service connections per note 2B (see figure 5).

2. Pass AC connector through hole in the backplate and secure the exit assembly to outlet box. Outlet box must be flush mounted with wall surface.

3. Reattach front panel.

OPERATION

1. Energize AC and ensure that exit is illuminated.

2. 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.

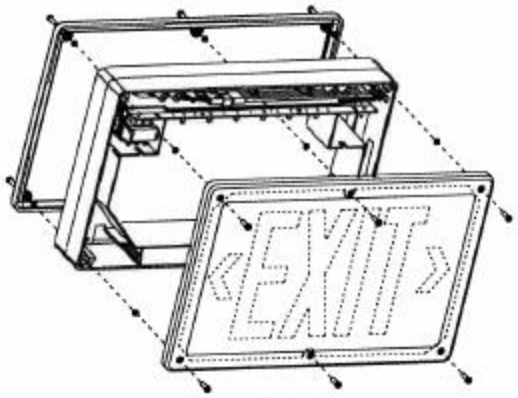


FIGURE 1

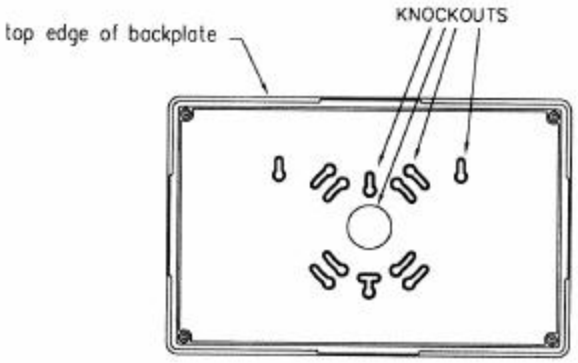


FIGURE 3

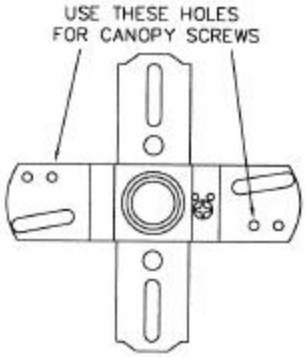
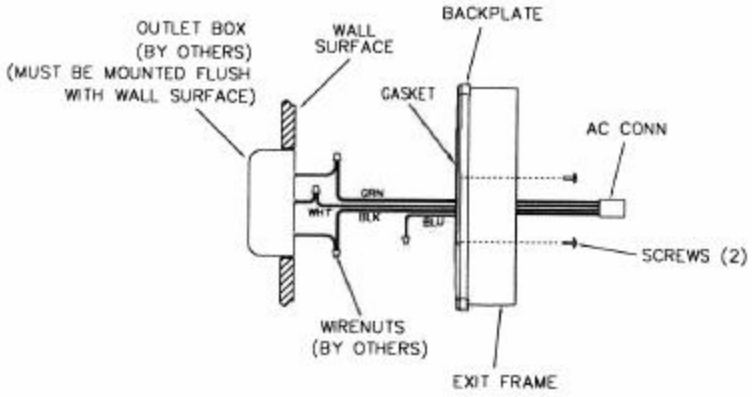


FIGURE 2



120V CONNECTIONS SHOWN

FIGURE 5

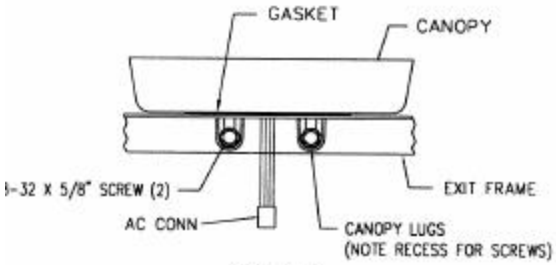


FIGURE 4

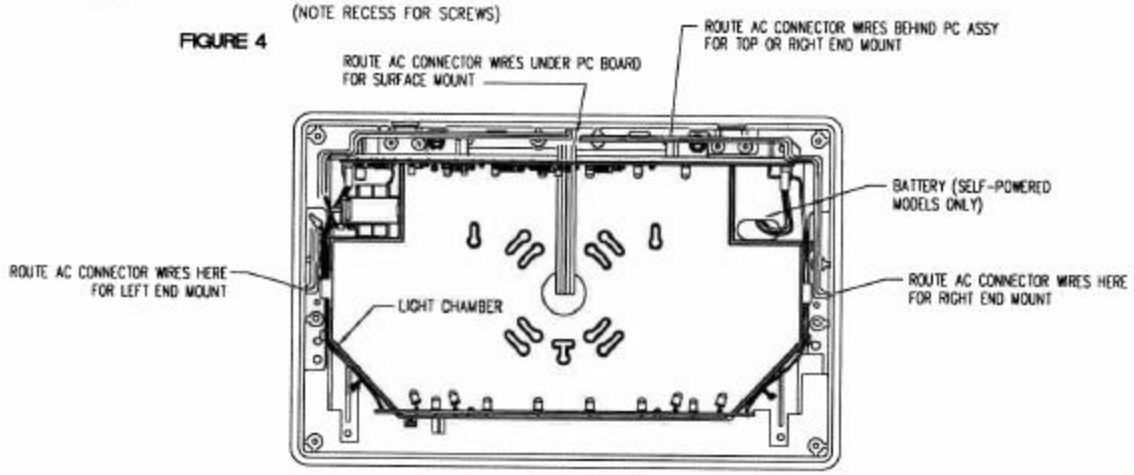


FIGURE 6

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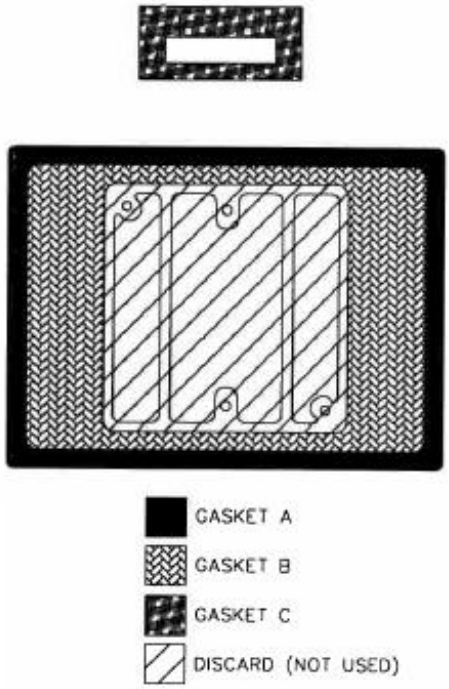
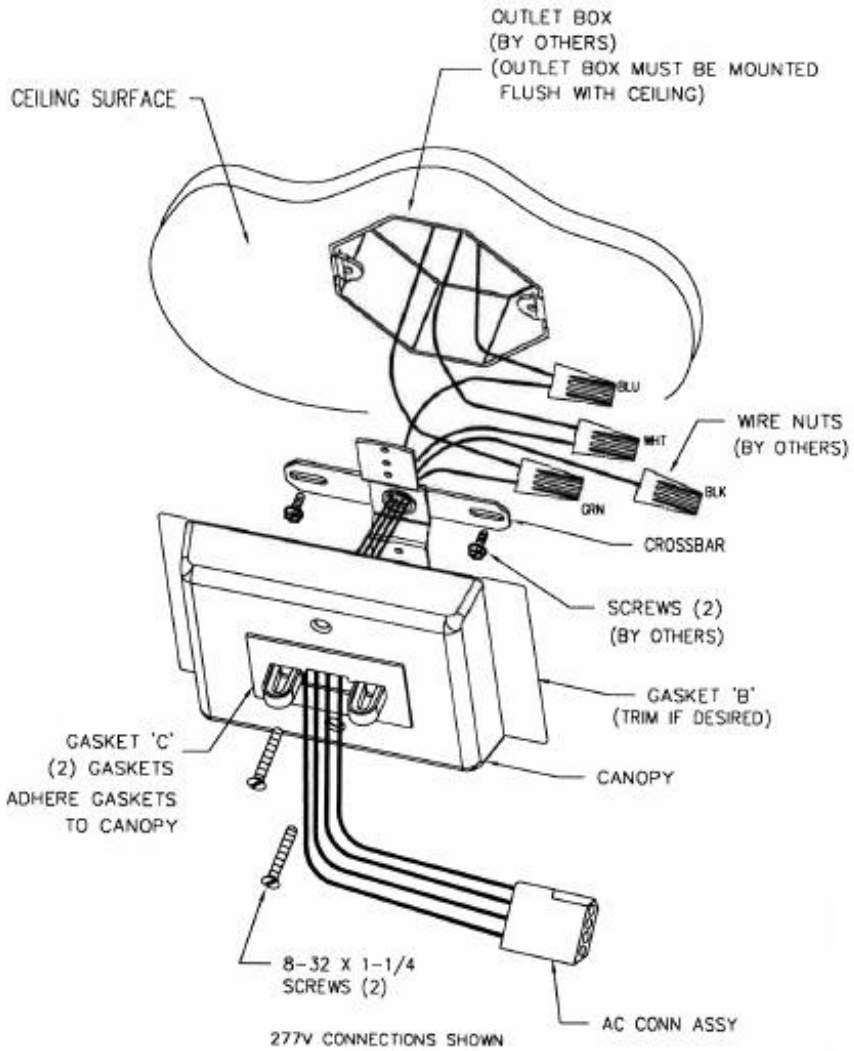
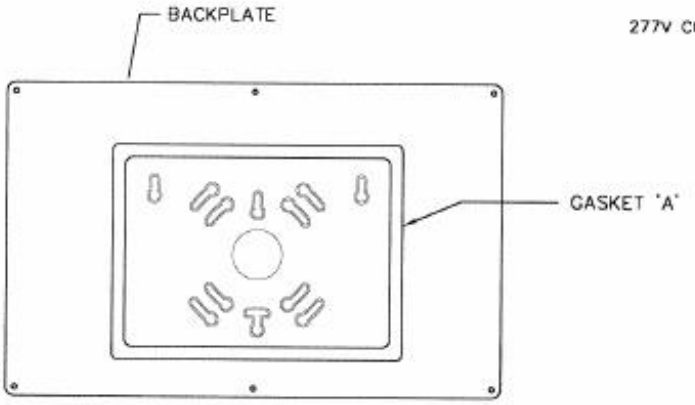


FIGURE 7



277V CONNECTIONS SHOWN

FIGURE 9



BACK VIEW OF EXIT

FIGURE 8

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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.

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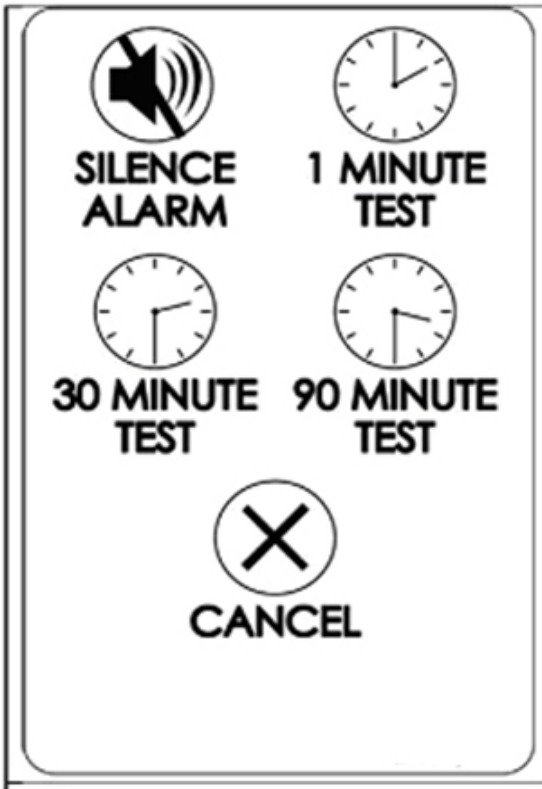
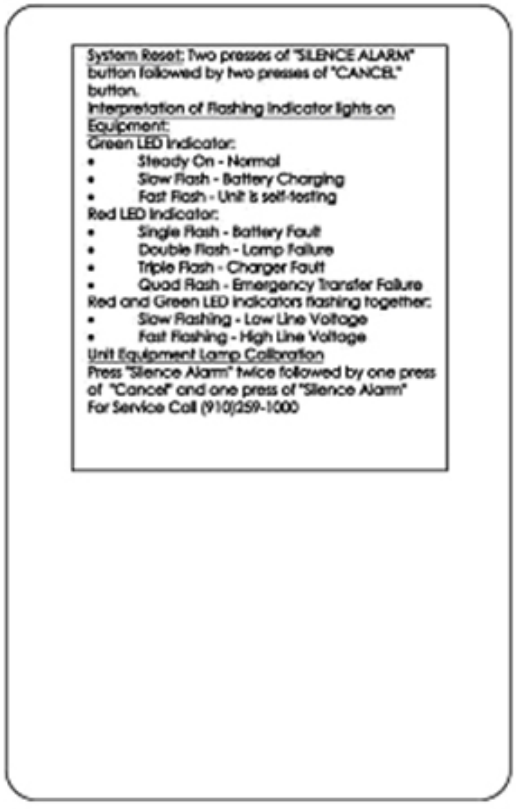


OPTIONAL REMOTE CONTROL

Front

Press appropriate button to perform the indicated test or silence the audible alarm.

Cancel stops any test currently in process.


System Reset: Two presses of "SILENCE ALARM" button followed by two presses of "CANCEL" button.
Interpretation of Flashing Indicator lights on Equipment:
Green LED Indicator:
- Steady On - Normal
- Slow Flash - Battery Charging
- Fast Flash - Unit is self-testing

Red LED Indicator:
- Single Flash - Battery Fault
- Double Flash - Lamp Failure
- Triple Flash - Charger Fault
- Quad Flash - Emergency Transfer Failure

Red and Green LED indicators flashing together:
- Slow Flashing - Low Line Voltage
- Fast Flashing - High Line Voltage

Unit Equipment Lamp Calibration
Press "Silence Alarm" twice followed by one press of "Cancel" and one press of "Silence Alarm"
For Service Call (910)259-1000

Back

Explanation of indicator light flash sequences.

Refer to Table 2 above for further information.

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