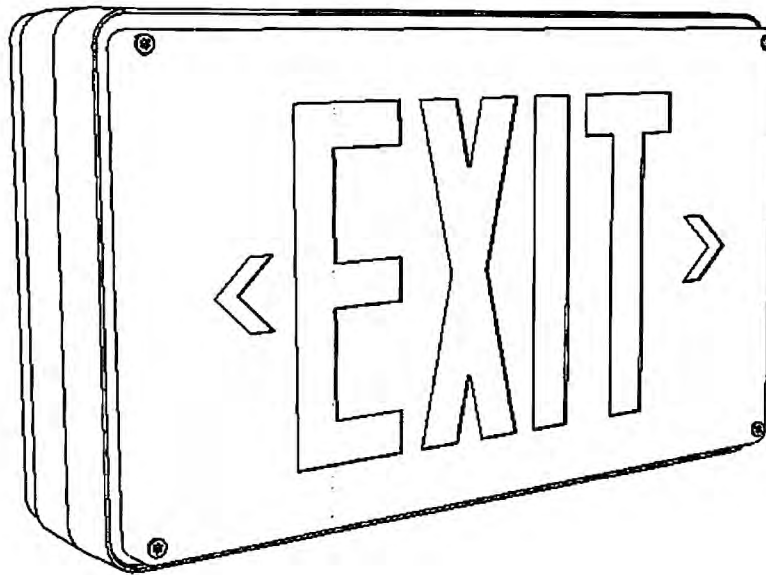


**INSTALLATION INSTRUCTIONS
LED EMERGENCY
WET LOCATION LED EXIT SIGN
120/277VAC**



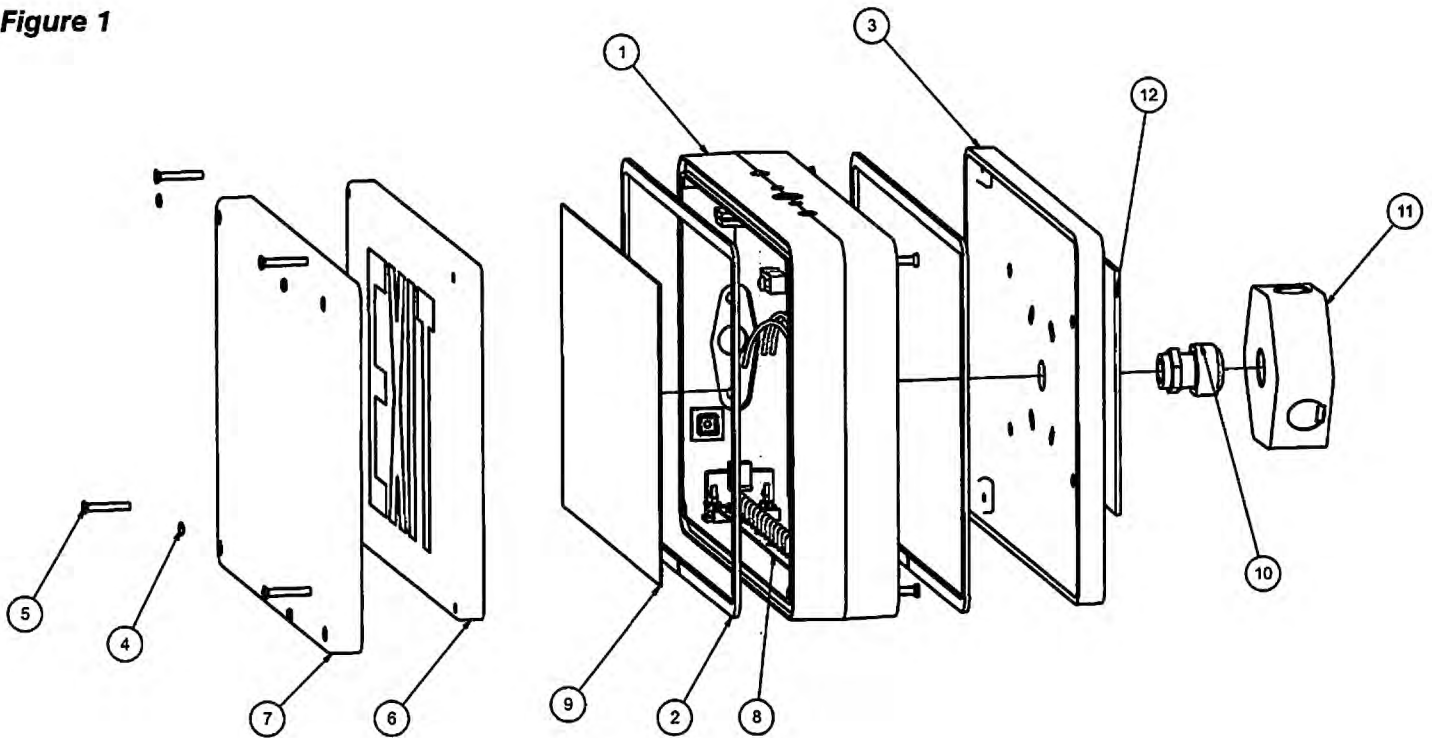
IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
2. Turn off power supply before attempting to install the unit.
3. Do not let power cords touch hot surfaces and do not mount near gas or electric heaters.
4. Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
5. The use of accessory equipment not recommended by the manufacturer, may cause an unsafe condition, and will void the unit's warranty.
6. Do not use this equipment for other than its intended purpose.
7. Servicing of this equipment should be performed by qualified service personnel.
8. Consult building code for approved wiring and installation.
9. The fixture must be grounded to avoid potential shock.

SAVE THESE INSTRUCTIONS!

Figure 1



WALL MOUNT INSTALLATION:

1. Remove torx screws (5) to release clear cover (7). There are 4 O-rings (4) inserted to the clear cover screw holes. Release the black stencil (6) from the clear face cover (7). Knockout to remove the chevron as necessary from the stencil. Peel off backing paper from the tape on the back of the stencil (6) and carefully position and stick the colored fibre to the stencil.
2. Remove the back plate (3) knockouts using applicable knockout holes. Install the liquid tight bushing into the large centre knockout with the lock nut (10). Feed the lead wires through the bushing and tighten to complete the liquid tight seal then secure the back plate and housing to the wall. Connect wire per wiring diagram provided.
Caution! Failure to insulate unused wire may result in a shock hazard or unsafe condition as well as equipment failure.
3. Replace faceplate, clear cover and torx screws.
4. Apply power.

PARTS LIST

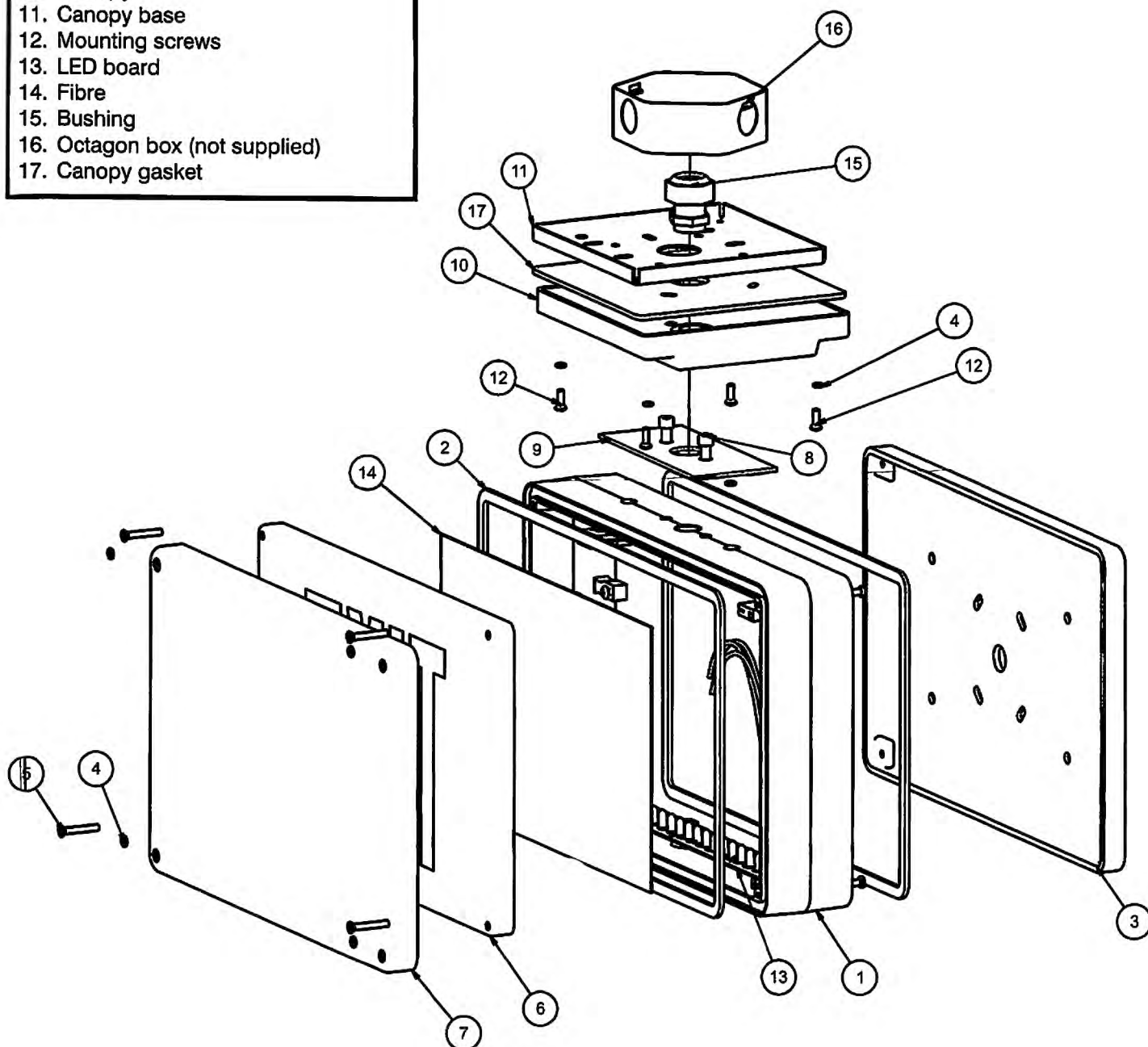
1. Die-cast aluminum frame
2. Frame gasket
3. Die-cast backplate
4. O-ring
5. Torx tamper proof screws
6. Stencil
7. Clear Faceplate
8. LED board
9. Fibre
10. Bushing
11. Octagon box (not supplied)
12. Mounting Gasket

PARTS LIST

1. Die-cast aluminum frame
2. Frame Gasket
3. Die-cast backplate
4. O-ring
5. Torx tramper proof screws
6. Stencil
7. Clear faceplate
8. 1/4 - 20 hex socket cap screw
9. Canopy gasket
10. Canopy
11. Canopy base
12. Mounting screws
13. LED board
14. Fibre
15. Bushing
16. Octagon box (not supplied)
17. Canopy gasket

CEILING/END MOUNT INSTALLATION

Figure 2



CEILING/END MOUNT INSTALLATION

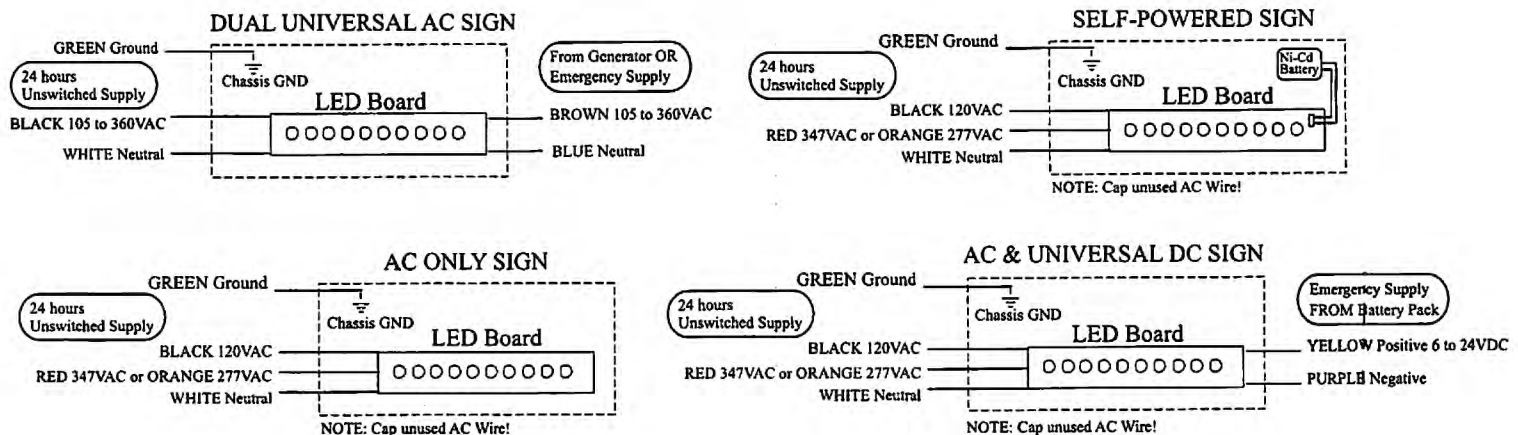
1. Remove torx screws (5) to release clear cover (7). There are 4 O-rings (4) inserted to the clear cover screw holes. Release the black stencil (6) from the clear cover (7). Knockout to remove the chevron as necessary from the stencil. (3) Peel off backing paper from the tape on the back of the stencil and carefully position and stick the colored fibre to the stencil.
2. To install canopy kit (10), 3 knockout on the top (for ceiling mount) or the 3 knockout on the side (for end mount). Position canopy gasket (9) and the canopy (10). Install the cap screws (12) and the washers (4). Attach canopy nuts (8) and then tighten. Install the liquid tight bushing (15). Install the canopy mounting base (11) to the octagon box (16) (not supplied). Connect wires per diagram provided. Caution! Failure to insulate unused wire may result in a shock hazard or unsafe condition as well as equipment failure. The mounting base can be rotated for the desired mounting angle. Install the canopy (10) to the mounting base (11) with the supplied screws (12). Feed the lead wires through the bushing and tighten to complete the liquid tight seal.
3. Apply power.

MAINTENANCE

The equipment is to be tested once a year in accordance with the code requirements. The equipment is to be repaired whenever the equipment fails to operate as intended during the duration test. Written records of test results and any repairs made must be maintained. Manufacturer strongly recommends compliance with these code requirements.

NOTE: The servicing of any parts should be performed by qualified service personnel only. The use of replacement parts not furnished by the manufacturer may cause equipment failure and will void the warranty.

WIRING DIAGRAM



Exit Self-Diagnostics Test

INSTRUCTIONS IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

1. **READ AND FOLLOW ALL SAFETY INSTRUCTIONS**
2. Disconnect power before performing work on electrical equipment.
3. Do not use outdoors.
4. Do not let power cords touch hot surfaces and do not mount near gas or electric heaters.
5. Use caution when servicing batteries. Battery acid can cause burns to skin and eyes. If acid is spilled on skin or eyes, flush with fresh water and contact a physician immediately.
6. Equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
7. The use of accessory equipment not recommended by manufacturer, may cause an unsafe condition, and will void the unit's warranty.
8. Do not use this equipment for other than its intended purpose.
9. Servicing of this equipment should be performed by qualified service personnel.
10. **SAVE THESE INSTRUCTIONS!**

SELF-DIAGNOSTIC SERVICE

The Self-Diagnostic Service monitors the following always, and provides a visual indication of unit's status via a multi-color LED:

Battery disconnection, LED failure, Battery charging operation, and Battery failure.

The function IS factory preset, and NO field adjustments are required.

After battery connection and AC power is applied, the Auto-test counter will be activated to schedule the following tests.

- 1) 5 minutes' battery discharge and self-testing every 30 days
- 2) Two 90 minutes' battery discharge and self-testing every 6 months, 48 hours apart

DIAGNOSTIC DISPLAY

After unit is properly installed per installation instructions, and with AC power supplied, the exit sign will be ON.

The diagnostic LED will be OFF at emergency mode.

However, when AC is restored, if the LED does not light up or the board malfunctions, RESET the board.

	Steady Green:	Normal operation
	Flashing Green:	Testing under way
	Flashing Red/Green:	High Charging
	Steady Red:	Battery Disconnected
	Flashing Red:	Battery Test Failure
	Red Double Blink:	Battery Charging Failure
	Red Three Blink:	LED Failure

However, when AC is restored, if the LED does not light up, RESET the board. The continuous battery monitoring feature has determined the battery voltage is below the normal operating level.

To keep the optimum performance of the battery, do not leave battery connected to the unit without the presence of AC power for more than 24 hours!

MANUAL TESTING

The unit provides manual testing as below.

Manual Test	How?	LED Indication		
		In progress	Pass	Fail
LED test	Press and HOLD TEST button for 3 sec.	 RED triple blink, ONCE	 Flashing RED/GREEN or  Steady GREEN	 ***RED triple blink, CONTINUOUS
*30 sec. battery test	Press TEST button 2 times (within 3 sec.)	 Flashing GREEN for 30 sec.		 Flashing RED
**15 min. battery test	Press TEST button 3 times (within 3 sec.)	 Flashing GREEN for 15 min.		
**90 min. battery test	Press TEST button 4 times (within 3 sec.)	 Flashing GREEN for 90 min.		
CANCEL test	Press and HOLD TEST button for over 5 sec.			

*Always allowed, except Auto-Test or other manual test is in progress

** 15 min. and 90 min. manual tests are NOT allowed if in the past 24 hours:

- AC power failure occurred, or
- Auto-Test (90 mins) occurred or is in progress, or
- Manual test (15 mins or 90 mins) occurred or is in progress, or
- Battery is not fully charged.

Any new emergency mode operation will be entered promptly, regardless of battery voltage.

*** RED triple blink, CONTINUOUS, will also occur if test button is pressed and HELD for over 5 sec. (or "stuck button")

Battery failure on any of the above tests activates "Flashing Red" on the diagnostic LED, which will remain until the LED board is RESET.

LED Board RESET

- 1) Disconnect the battery and disconnect AC power
- 2) Wait 10 seconds
- 3) First reconnect the battery to the board, and then restore AC power

WARNING

- 1) Make sure that power is off before making any electrical connections!!!
- 2) Unused wires must be capped using enclosed wire nuts!

SAVE THESE INSTRUCTIONS!