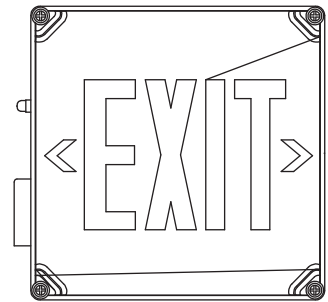


# SERIES: EXFW1 GENERAL INSTALLATION GUIDELINES FOR WET LOCATION EXIT FIXTURE



When using electrical equipment, including this emergency exit product, basic safety precautions should be followed at all times, including but not limited to the following:

## PLEASE READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS FOR YOUR SAFETY

1. Rated for temperature range of 10°C–40°C (50°F-104°F) and suitable for use in an application that is designated as a damp location area as defined by NEC Article 100, Location, Wet. UL listed to UL924 standard, complying with NEC, OSHA, and Life Safety Code.
2. Equipment should be mounted securely in locations and at heights where it will not be readily subjected to tampering by unauthorized personnel.
3. Do not mount near gas or electric heaters.
4. Consult local building code for approved wiring and installation.
5. Disconnect AC power before servicing and installation.
6. This is a dual voltage input unit (120V and 277V). Verify correct input connections as follows: 120V input to black (120V) lead; 277V input to red (277V) lead. Incorrect input connection will void warranty and may cause an unsafe condition.
7. Make sure wire terminations are secure and leads are properly tucked in appropriate wire channels.
8. Cap unused wires with enclosed wire nuts or other approved method.
9. The use of accessory equipment not recommended by the manufacturer will void product listing and warranty and may cause an unsafe condition.
10. Do not use this equipment for anything other than its intended use.
11. Any service on this equipment should be performed by qualified personnel only.
12. Use caution when servicing batteries. Avoid possible shorting.

## SAVE THESE INSTRUCTIONS

**IMPORTANT:** The battery in this unit may not be fully charged. After electricity is connected to unit, let battery charge for at least 24 hours, then normal operation of this unit should take effect. To check, press TEST button. The emergency lamps should illuminate.

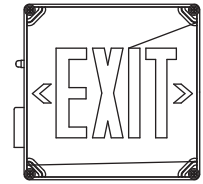
## INSTALLATION:

1. Mount the equipment securely in place (Diagram A). The provided (4) mounting screws and (4) anchors are for mounting to surfaces suitable for use of such hardware such as stucco, concrete, or similar surfaces. If mounting to surfaces where machine type screws and anchors (such as toggle bolts) or other types of anchoring hardware will be necessary, this hardware must be provided in the field by the installer. Consult factory for assistance if needed.
2. Determine entrance point for external AC power supply and drill out appropriate sized opening to match UL approved seal-tite or NEMA 4X connector. There are various places inside the unit that are suitable for this incoming power location. (Diagram B).
3. Extended 24 hour AC supply of rated voltage to the equipment, which is furnished with a dual voltage 120/277VAC field selectable input (Diagram C). Use Black wire for 120V, Red wire for 277V, White wire is common. Connect Ground wire in accordance with local codes. A green ground lead is provided. **DO NOT energize circuit at this time.**

(Continues on page 2)



# GENERAL INSTALLATION GUIDELINES FOR WET LOCATION EXIT FIXTURE



## INSTALLATION (Continued):

**CAUTION:** Insulate the unused black or red wire. Failure to insulate unused wire will cause unsafe condition.

4. Only after continuous AC power can be provided, connect battery. The equipment is supplied with one battery lead (red +positive), connected. If the battery is supplied with terminals, connect the blue battery lead to the negative terminal. If the battery is supplied with leads, connect the two blue leads together with the supplied wire nut.
5. Energize the AC supply. The CHARGE indicator will illuminate.
6. Replace cover.

## OPERATION:

1. To test the equipment, depress the TEST switch. The CHARGE indicator will go out the emergency heads will turn on, and the LED lights will inside the unit will continue to illuminate.
2. Release the TEST switch. The CHARGE indicator will illuminate and the emergency heads will turn off
3. The automatic charger will return and maintain the battery in the fully charged state.

**NOTE:** Allow the battery to charge for a minimum of 24 hours after installation or after power failure before conducting a 90 minute test (see TESTING).

**CAUTION:** This equipment is furnished with a sophisticated solid state transfer switch which will automatically disconnect the emergency lighting mode from the battery if the battery has been charged to the end of its useful output.

## MAINTENANCE:

**CAUTION:** Always turn off AC power to the equipment before servicing. Servicing should be performed only by a qualified service technician. Use only manufacturer supplied replacement parts.

1. **BATTERY-** The battery supplied in this equipment requires zero maintenance. However, it should be tested periodically (see TESTING) and replaced when it no longer operates the connected fixtures for the duration of 30 second or 90 minute test. The battery supplied has a life expectancy of 5-7 years when used in a normal ambient temperature of 72° F.
2. **OTHER-** Clean lens and replace lamp assembly, as required.

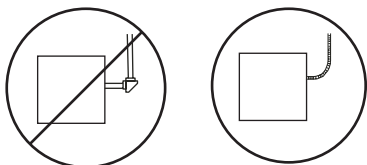
## TESTING:

Paragraph 31-1.3.7 of NFPA 101-1985, Life Safety Code requires that all emergency lighting equipment be functionally tested every 30 days for a minimum of 30 seconds and tested annually for a full 90 minute duration. Written records of testing are to be kept for examination by the authority having jurisdiction.

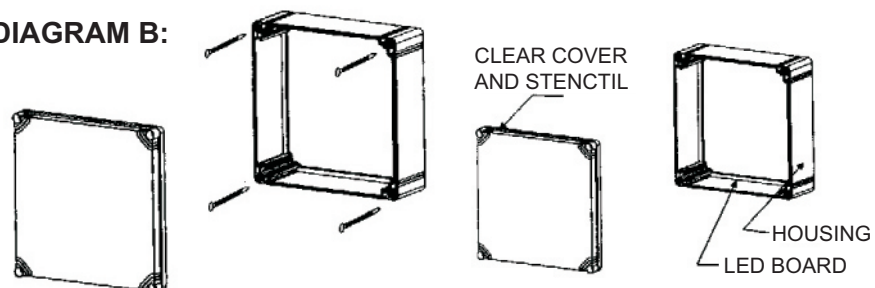
## TROUBLE SHOOTING:

1. The LED lights do not operate in AC ONLY and/or emergency mode:  
If the charge indicator light is off: Check that the circuit breaker for AC supply is on.
2. LED lights are dim in emergency mode- battery not fully charged: Allow battery to recharge for 24 hours and then retest. If lights are still dim, replace battery.

## DIAGRAM A:



## DIAGRAM B:



# GENERAL INSTALLATION GUIDELINES FOR WET LOCATION EXIT FIXTURE

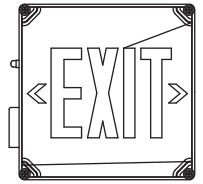
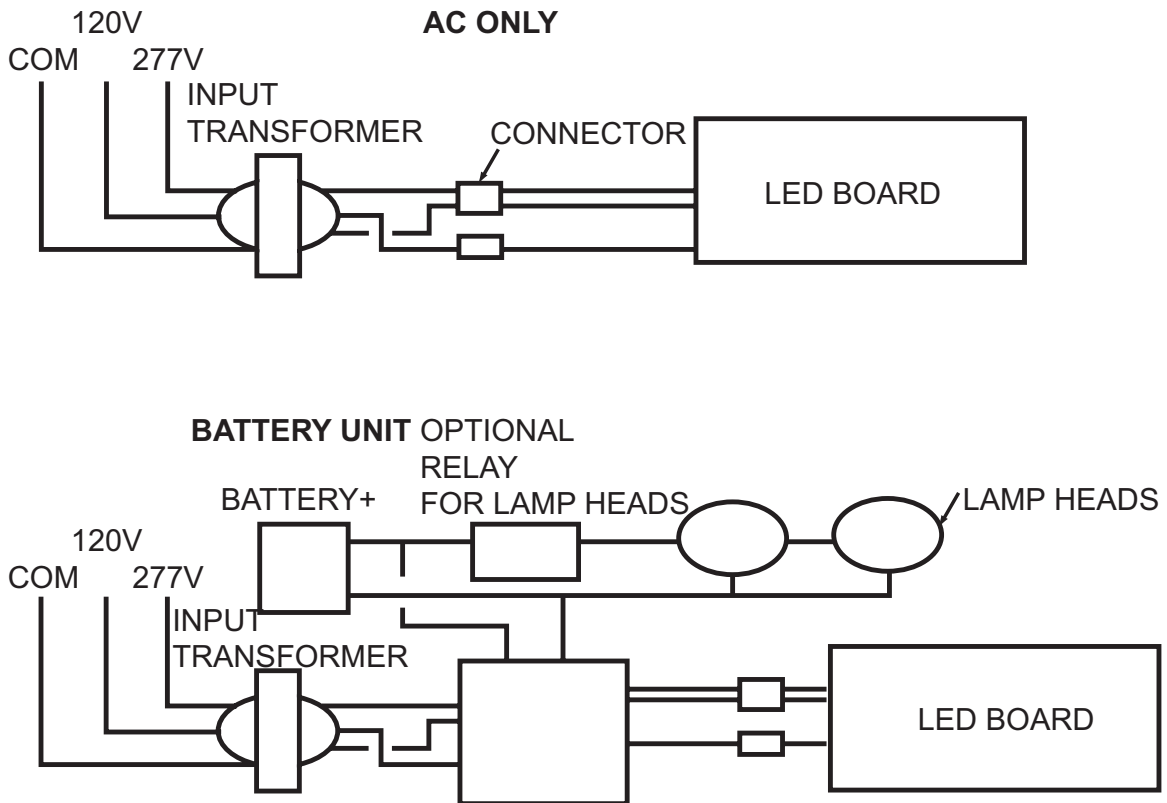


DIAGRAM C:



**WARNING:** Unused wires must be capped using enclosed wire nuts.