

INSTALLATION, OPERATION AND MAINTENANCE FOR WET LOCATION LED EXIT SIGNS – NXW & NXWB SERIES SAVE THESE INSTRUCTIONS

IMPORTANT SAFEGUARDS:

When using electrical equipment, always adhere to basic safety precautions including the following:

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 the TEST button. The emergency lamps should illuminate.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. 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. Cap unused wires with enclosed wire nuts or other approved method.
5. Do not use this equipment for anything other than its intended use.
6. The use of accessory equipment not recommended by the manufacturer will void product listing and warranty and may cause an unsafe condition.
7. Disconnect AC power before servicing and installation.
8. Consult local building code for approved wiring and installation.
9. Use caution when servicing batteries.
10. Any service on this equipment should be performed by qualified personnel only.
11. The AC voltage rating of this equipment is specified on the product label. Do not connect equipment to any other voltage.
12. When this equipment is furnished with halogen type lamps, these additional safeguards apply:
 - a. **CAUTION:** Halogen lamps are used in this equipment. To avoid shattering, do not operate lamps in excess of rated voltage. Protect lamps from abrasion and scratches and against liquids when lamp is operating. Dispose of lamps properly.
 - b. Halogen lamps operate at high temperatures. Do not store or place flammable materials near lamps.
13. In unheated areas where temperature may drop below 32° F for prolonged periods, the battery capacity and total output rating of the equipment will be reduced. To ensure that the equipment will operate in conformance with the applicable National Electric Code and NFPA Life Safety Code requirements, contact your distributor for further technical assistance.

14. Make sure wire terminations are secure and leads are properly tucked in appropriate wire channels.

NOTE

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

NOTE

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 discharged to the end of its useful output.

INSTALLATION (FLEXIBLE CONDUIT)

1. Mount the equipment securely in place (Fig. 1). The (4) mounting screws and (4) anchors provided are for mounting to surfaces suitable for use with 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.

FLEXIBLE CONDUIT ONLY

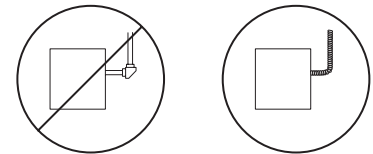


FIG. 1

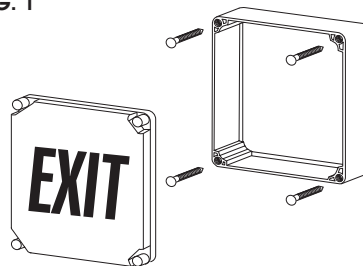
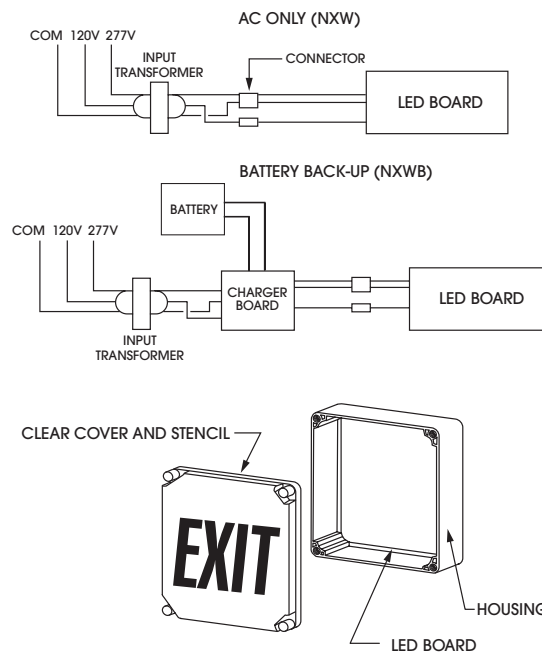


FIG. 2



INSTALLATION, OPERATION AND MAINTENANCE FOR WET LOCATION LED EXIT SIGNS – NXW & NXWB SERIES

IMPORTANT SAFEGUARDS:

When using electrical equipment, always adhere to basic safety precautions including the following:

2. Extend continuous AC supply of rated voltage to the equipment, which is furnished with a dual voltage 120/277VAC field selectable input (Fig. 2). Connect unit to utility power using an approved seal tight or NEMA 4X connector. The unit should be DRILLED for the connector in the proper location, as it relates to the location of the entry point of the power feed coming into the unit. There are various places inside the unit that are suitable for this incoming power location. For 120V supply, connect the line wire to the black lead. For 277V supply, connect the line wire to the orange lead. Connect Neutral wire to the white lead. Connect Ground wire in accordance with local codes. A green Ground lead is provided. Do not energize circuit at this time.

NOTE

Cap the unused black or orange wire. Failure to insulate the unused wire will cause an unsafe condition.

3. 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. If battery is supplied with a connector, plug it into the mate on the LED strip.
4. Energize the AC supply. The AC indicator will illuminate.
5. Replace the cover.

OPERATION

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

MAINTENANCE

NOTE

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

1. **BATTERY.** The battery supplied in this equipment requires no maintenance. However, it should be tested periodically (see TESTING) and replaced when it no longer operates the connected fixtures for the duration of a 30-second or 90-minute test. The battery supplied in this equipment 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 yearly for a full 90 minutes. Written records of testing are to be kept for examination by the authority having jurisdiction.

TROUBLESHOOTING

1. The LED lights do not operate on AC ONLY and/or emergency mode:
 - a. If the AC indicator light is off, check that the circuit breaker for AC supply is on.
 - b. If the AC indicator light is on:
 - i. Check that battery is properly connected.
 - ii. If remote lights are connected to equipment, turn off AC supply and disconnect remote circuit wires from equipment. Turn on AC supply and depress TEST switch. If equipment-mounted lights are now on, check remote circuit for short or overload condition and correct as required. Then reconnect circuit wires and restore AC power.
 - iii. If problem persists, replace battery.
2. LED lights are dim in emergency mode:
 - a. Battery not fully charged. Allow battery to recharge for 24 hours, and then retest. If lights are still dim, replace battery.

WARRANTY

Juno Lighting Group warrants that its products are free from defects in material and workmanship. Juno Lighting Group's obligation is expressly limited to repair or replacement, without charge, at Juno Lighting Group's factory after prior written return authorization has been granted. This warranty shall not apply to products which have been altered or repaired outside of Juno Lighting Group's factory. This warranty is in lieu of all other warranties, expressed or implied, and without limiting the generality of the foregoing phrase, excludes any implied warranty of merchantability. Also, there are no warranties which extend beyond the description of the product on the company's literature setting forth terms of sale.

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