

Explosion Proof Exit Sign

Class I, Division I - IP65 - 120V/277VAC - Emergency Battery Back-Up

Instruction Manual

Thank you for your purchase of the Larson Electronics EPL-EMG-EXT-3W.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

IMPORTANT

READ CAREFULLY BEFORE INSTALLING THIS FIXTURE. SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE. THE EPL-EMG-EXT-3W MUST BE WIRED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.

WE STRONGLY ENCOURAGE ONLY A LICENSED ELECTRICIAN INSTALL, OPERATE AND MAINTAIN THIS PRODUCT. IF YOU ARE NOT QUALIFIED OR UNFAMILIAR WITH ANY ASPECT OF THIS INSTRUCTION SHEET, CONSULT AN ELECTRICIAN. THERE ARE NO SERVICEABLE PARTS INSIDE.



WARNING: MAKE SURE POWER IS TURNED **OFF** BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.

RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.

RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

WARNING

TO AVOID THE RISK OF FIRE, EXPLOSION OR ELECTRIC SHOCK, THIS PRODUCT SHOULD BE INSTALLED, INSPECTED AND MAINTAINED BY A QUALIFIED ELECTRICIAN ONLY, IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES.

TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

The EPL-EMG-EXT-3W Explosion Proof LED Exit Sign with back up emergency ballast from Larson Electronics is rated Class 1 Division 1 Class II Division I & II and is an ideal emergency exit marking solution for hazardous locations where failsafe reliability is a must. The exit sign is double sided, and can be seen from both sides.

IMPORTANT SAFEGUARDS

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

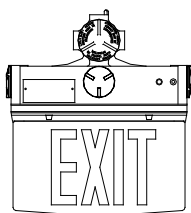
DANGER - Do not install or service unless area is known to be nonhazardous. This Exit Sign has more than one power supply connection.

WARNING - Electrical Power must be turned off before and during installation and maintenance.

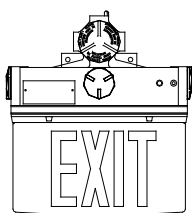
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. This fixture should be installed in strict accordance with the National Electrical Code and any local requirements.
2. This fixture should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
3. To prevent ignition of hazardous atmospheres, disconnect fixture from the supply circuit before opening. Keep tightly closed when in operation. When AC power is disconnected, the battery power will be live.
4. To reduce risk of fire or explosion, do not install where the marked operating temperature exceeds the ignition temperature of the hazardous atmosphere(s).
5. Do not mount near gas or electric heaters.
6. Do not let power supply cords touch hot surfaces.
7. Do not attempt to service the battery inside this fixture. This fixture incorporates a sealed, no maintenance battery that is not field replaceable. Contact **Larson Electronics** for information on factory replacements.
8. The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
9. Do not use this equipment for other than intended use.
10. Installation and servicing of this fixture should be performed by qualified personnel.

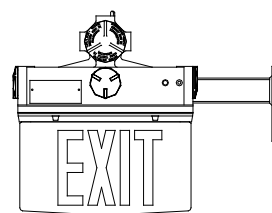
SAVE THESE INSTRUCTIONS

TYPICAL INSTALLATIONS

PENDANT MOUNT



WALL MOUNT



END BRACKET MOUNT

INSTALLATIONS

These fixtures are provided with ½" NPT hubs.

Pendant Mount

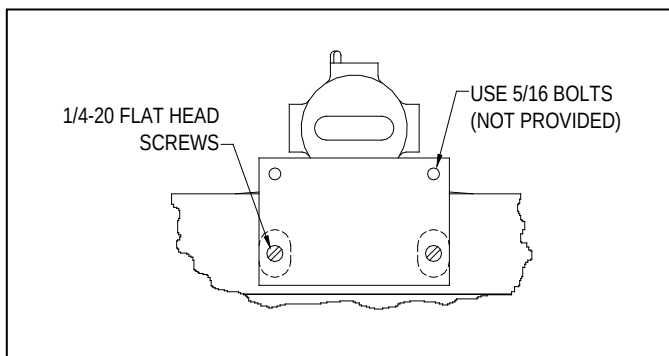
1. Loosen the set screw provided in the top hub.
2. Attach conduit to the top hub, making sure that at least five full threads are engaged and conduit is tight as per the requirements of the NEC.
3. Tighten set screw.

4. Remove junction box cover and pull supply wires into junction box. Attach Black lead for 120V or Orange lead for 277V, White lead for Neutral and Green lead for Ground. Replace junction box cover.

Wall Mount

1. Install Wall Mount Plate to the back of the fixture by means of two each ¼-20 Flat Head screw provided. Flat Head screw must be securely fastened. Install the fixture to the wall by means of the Wall Mount Plate using two 5/16 in. Bolts (not provided).

2. Attach conduit to any of the three ½" NPT hubs on the fixture, making sure that at least five full threads

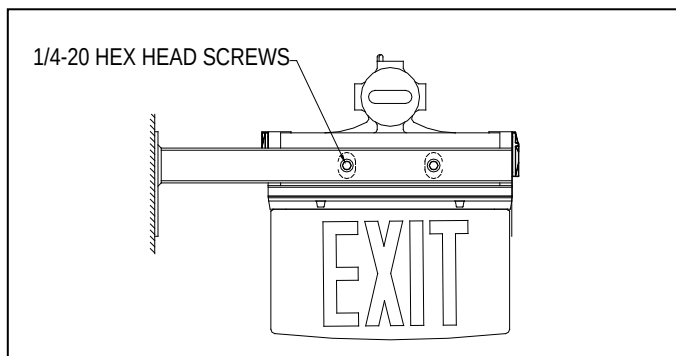


are engaged and conduit is tight as per the requirements of the NEC.

3. Remove junction box cover and pull supply wires into junction box. Attach Black lead for 120V or Orange lead for 277V, White lead for Neutral and Green lead for Ground. Replace junction box cover.

End Bracket Mount

1. Install End Bracket to wall using four 5/16 in. Bolts (not provided). Install fixture to the End Bracket using two each ¼-20 Hex Head screws, lock washers and flat washer provided.



2. Attach conduit to hub on the fixture, making sure that at least five full threads are engaged and conduit is tight as per the requirements of the NEC.

3. Remove junction box cover and pull supply wires into junction box. Attach Black lead for 120V or Orange lead for 277V, White lead for Neutral and Green lead for Ground. Replace junction box cover.

MAINTENANCE

All maintenance procedures are to be performed only when the atmosphere surrounding the fixture is non-hazardous.

1. Visually inspect the Red LED marked "AC". It should be illuminated when AC power is on.
2. Test the emergency operation of the fixture once every 3 months. Exit Sign should illuminate under battery power when AC power is removed from the fixture.
3. Conduct a 90 minute discharge test once a year. Exit Sign should illuminate under battery power for at least 90 minutes when AC power is removed from the fixture.
4. Replace battery.
5. This fixture contains sealed Ni-Cad batteries. Used Ni-Cad batteries may not be disposed of in the municipal solid waste Stream. Ni-Cad batteries must be recycled or disposed of properly. For information on local recycling drop off points, phone toll free 1-800-BATTERY.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The EPL-EMG-EXT-3W is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.