50W Emergency LED Lighting System
90 Minutes - Explosion Proof Lights - 120/277V - C1D1&2
Instruction Manual

Thank you for your purchase of the Larson Electronics EXP-EMG-25W-2L Emergency LED Lighting System.

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 EXP-EMG-25W-2L Explosion Proof Emergency Light with back up emergency battery from Larson Electronics is rated Class I Division 1 Class II Division 1 & 2 and is an ideal emergency lighting solution for hazardous locations where failsafe lighting reliability is a must. The EXP-EMG-25W-2L is equipped with (2) 25W LED modules that each produce 2,750 lumens for a total power draw of 50 watts and 5,500 total lumens. Under emergency power, this explosion proof LED light produces 3000 lumens for 90+ minutes.

Operation

Under normal conditions this emergency lamp uses normal external power to illuminate its two 25 watt LED lamps. In the case of power outages or in any situation where power is interrupted, this unit automatically switches to a battery backup which will power the unit for 90 minutes at 1500 lumens per lamp or until power is restored. The battery is protected from deep discharge by solid state circuitry which senses low voltage and turns off the unit before battery damage can occur. Once power is restored a built in charger will return the unit to a fully charged state within 24 hours.



Mount

The EXP-EMG-25W-2L is designed to be mounted to any flat surface capable of supporting the weight of the fixture, such as a wall. This is achieved via 4 mount holes drilled through the back plate, one at each corner. Mark the mount hole locations, drill holes necessary for the mount hardware you are using, and secure fixture to the wall using said hardware. Do not let fixture hang on one side at any time. It is suggested to use 2 people to mount the fixture as it is heavy and can be awkward to hold in place while mounting.



Wiring

We strongly encourage a licensed electrician install this product, in all locations especially in outdoor areas where weatherproofing may be required. Universal voltage driver permits operation at 100V - 277V AC, 50 or 60Hz except those factory ordered with low voltage 11V to 25V AC/DC.

Warning: *Check product label for correct input voltage!*

Attach supply line wires to the appropriate light fixture wires as shown in the diagram ➔



Secure each pair of wires according to the diagram. Utilize a junction box or similar device and take precautionary steps for weatherproofing all connections if installed in a location where water may come in contact with the unit. Ensure the unit is properly grounded and that wiring is done according to all local and national electrical/building codes.

MAINTENANCE

There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function.

- Disconnect power running to the lamp and be sure the fixture is cool to the touch.
- Use a non-abrasive glass cleaning solution to clean the lens.

Note: *It is not necessary to open the fixture and clean or touch the LED's.*

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 EXP-EMG-25W-2L 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.