

WARNINGS



WARNING

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- All electrical connections must be in accordance with local codes, ordinances, and the Canadian National Electrical Code.
- Servicing of this equipment should be performed by qualified service personnel.
- For indoor use only.
- Do not install near gas or electric heaters.
- Use caution when servicing batteries. Battery acid can cause burns to the skin and eyes. If the acid is spilled on the skin or in the eyes, flush the acid with fresh water and contact a physician immediately.

- The equipment should be mounted in locations and at heights where unauthorized personnel will not readily subject it to tampering.
- Any change or modifications not expressly approved by the party responsible for compliance could void the authority to operate the equipment and void warranty.
- Do not use this equipment for other than its intended purpose.
- Circuit feeding unit must be protected by a lock-on breaker. If the breaker feeding this unit does not have a lock-on device the warranty will be voided.

STORAGE

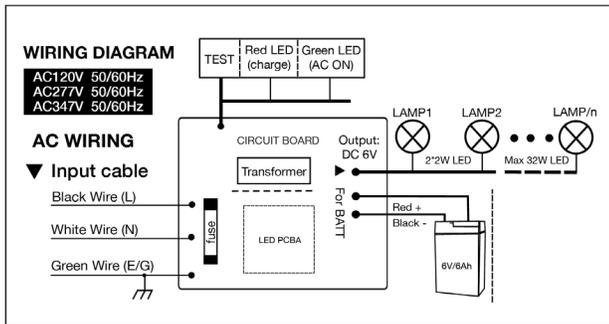
WHILE IN STORAGE, BATTERIES MUST BE CHARGED FOR 24 HOURS EVERY 6 MONTHS.

If it is necessary to store the unit, be sure to place it in a clean dry area. For extended storage, the batteries must be charged for 24 hours every 6 months. Failure to do so will result in reduced battery capacity or failure, which WILL NOT be covered under the warranty. Charging is accomplished by installing the batteries, turning the unit on and allowing it to run.

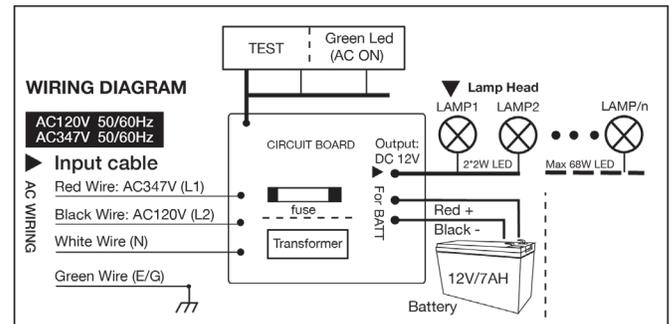
ATTENTION RECEIVING DEPARTMENT: Note actual fixture description of any shortage or noticeable damage on delivery receipt. File claim for common carrier (LTL) directly with carrier. Claims for concealed damage must be filed within 15 days of delivery. All damaged material, complete with original packaging must be retained.

WIRING DIAGRAMS

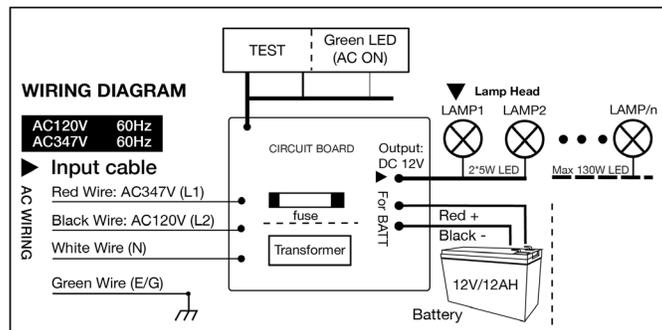
EM-BU-S-UD-36W



EM-BU-S-UD-72W



EM-BU-S-UD-140W



BATTERY DISCHARGE TABLE

Model	Output Voltage	Total Connected Wattage			
		30 min	60 min	90 min	120 min
EML-BU-S-UD-36W	6V	36W	18W	12W	9W
EML-BU-S-UD-72W	12V	72W	36W	24W	18W
EML-BU-S-UD-140W	12V	140W	70W	46W	35W

INSTALLATION INSTRUCTIONS

1. Extend an un-switched 24 hour AC supply of rated voltage to an approved receptacle (not supplied) or a junction box (not supplied) installed in accordance with all applicable codes and standards. Leave a minimum of 8 inches of slack of the cord. This circuit should NOT be energized/live at this time.
2. Open the unit by unscrewing the cover screws on the sides of the unit. The front cover can then be removed (Fig. 1).
3. Mounting:
 - a. **Wall mounting:** the unit is supplied with universal spider knockouts and keyhole slots stamped into the back of the cabinet. Knock out the appropriate hole if using a junction box and bring the wires through the hole into the cabinet (Fig. 2). Mount the unit securely into place. Do not rely on the electrical box as the only support for the unit. Knock out the cabinet mounting holes and install the unit on the junction box and on the wall using appropriate screws and anchors (not supplied).
 - b. **Pendant mounting:** locate the knockout on top of the battery unit (Fig. 3) and connect conduit (not supplied) according to applicable electrical codes (Fig. 4).
4. Make wiring connections according to the wiring diagram on page 1. Choose the applicable wiring diagram. Ensure that the internal battery is connected to the circuit board.

Insulate the unused wire! Connect ground to the supplied green ground wire in accordance with local codes. Reassemble all wire connections and connectors.

CAUTION! Failure to insulate unused wire may result in a shock hazard or unsafe condition as well as equipment failure.
5. Install batteries into the cabinet and complete the appropriate battery connections (Fig. 5).
6. Secure all the internal wires.
7. Replace the cover and secure the cover with screws.
8. Turn on the AC line voltage supply.
9. If using supplied 120V cord, connect the cord according to the wiring diagram on page 1. Plug cord into appropriate receptacle.
10. Position each lamp head to provide the best lighting distribution by loosening the head set screws. Tighten set screws to lock position.

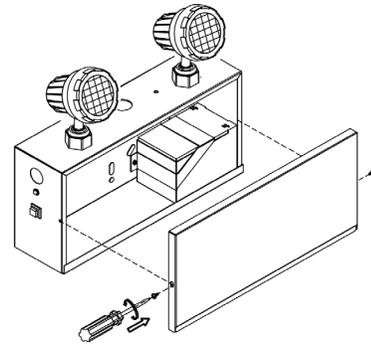


Fig. 1

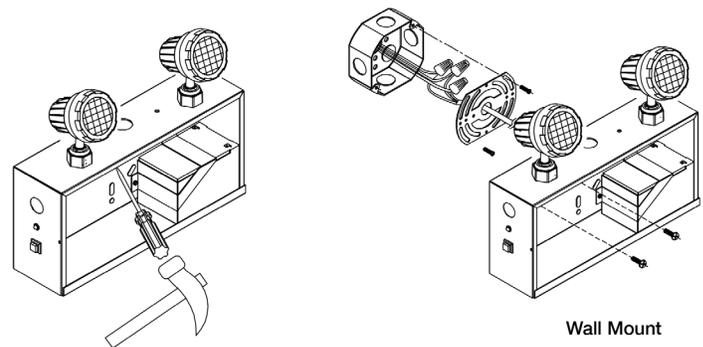


Fig. 2

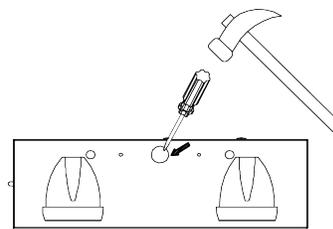


Fig. 3

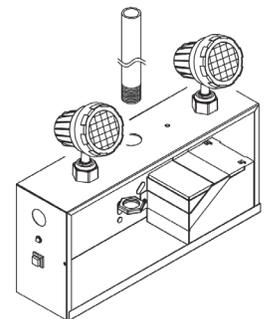


Fig. 4

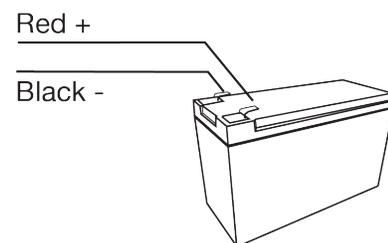


Fig. 5

OPERATION

1. To test, depress the TEST switch. The charge indicator will go out and the DC lamps will come on.
2. Release the TEST switch. The DC lamps will turn off and the charge indicator will come on.
3. A bridge charge LED indicator light indicates a high charge rate. After the battery has reached full charge, the indicator light will go out. Under normal operation the high charge indicator will turn on and off intermittently while the unit is in standby mode (normal AC is present) since the charge rate will vary in order to maintain an optimal battery performance.

MAINTENANCE

1. Code requires that the equipment be tested every 30 days for 30 seconds, and that written records be maintained for all test results and repairs (see Maintenance table at the end of page 3). Further, the equipment is to be tested once a year for the required duration as per code. The battery is to be replaced or the equipment repaired whenever the equipment fails to operate as intended during the duration of the test. The manufacturer strongly recommends compliance with all code requirements.
2. Clean lenses on a regular basis to provide maximum light distribution in case of an emergency.
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.

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