

Manual Tests

By using the unit's test switch, one can initiate different

Initiating Action	Test Cycle	Green Led Status Indicator
Press test switch once	1 minute	2 blinks per second
Press test switch twice	90 minutes	1 blink per second

Red and Yellow Service Alert LED

Under normal operating conditions, the Red and Yellow Service Alert LED indicator will remain off. If the Spectron® controller detects a malfunction, the Service Alert LED will blink in the pattern listed in the following image:

- RED BLINKING = BATTERY DISCONNECTED
- = BATTERY FAULT
- = CHARGER FAULT
- = TRASFER FAULT
- = LAMP FAULT
- = LOAD LEARN FAULT

- STEADY GREEN = AC ON
- GREEN BLINKING = TEST MODE ENABLED
- STEADY YELLOW = BATTERY TEMPERATURE DELAY

Green Operating Status LED
Serves as both an AC power and self-test indicator. During normal operation, the Green Operating Status LED will be illuminated indicating the presence of AC power. During all automatic or manual self-test cycles, the Green Operating Status LED will blink.

This emergency lighting unit should be tested and maintained in accordance with National Electrical Code and NFPA 101 Life Safety Code requirements. It is recommended that emergency light fixtures be tested for 30 seconds once a month and for 90 minutes once a year.

If a unit is to be deliberately taken out of service for an extended period, the battery lead connector should be disconnected from the charger circuit board and insulated so that the battery will go into storage in a fully charged condition.

1. De-energize the AC power.
2. Remove the cover.
3. Disconnect the battery harness from the charger PCB harness.
4. Remove the battery pack.
5. Replace with new battery (see unit model label or battery label for correct p/n) and repeat steps above in reverse.

- Check AC wiring connections

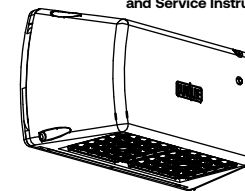
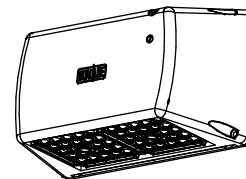
- Battery is shipped disconnected. Connect leads from battery to charger PCB and charge 24 hours before testing.
- Make sure connections to charger board are properly seated.
- Check wiring connections.



All steel, aluminum and thermoplastic parts are recyclable.
NOTICE: Emergency units contain rechargeable batteries
which must be recycled or disposed of properly.



LED Emergency Lighting Unit For Indoor or Outdoor Application Installation, Operation and Service Instructions



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

1. Do not let power supply cords touch hot surfaces.
2. Do not mount near gas or electric heaters.
3. Equipment should be mounted in locations and at heights where it will not readily be subject to tampering by unauthorized personnel.
4. The use of accessory equipment not authorized by the manufacturer may cause an unsafe condition.
5. Do not use this equipment for other than its intended purpose.
6. Servicing of this equipment should be performed by qualified service personnel.
7. Test cycling: the Life Safety Code (NFPA 101) requires testing of emergency lighting units once a month for a minimum of 30 seconds, and once a year for a minimum of 90 minutes.
8. Install fixture no higher than the maximum mounting height to meet NFPA requirements. Refer to specification sheet for typical spacing criteria. Consult Dual-Lite engineering for additional mounting heights.

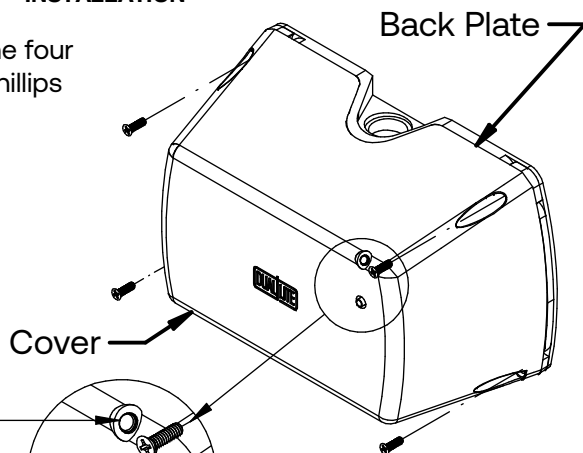
•SEE UNIT LABEL FOR ADDITIONAL MODEL SPECIFICATIONS
•SAVE THESE INSTRUCTIONS FOR USE BY OWNER/OCCUPANT

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

INSTALLATION

1. To open the unit, loosen the four captive screws using a #2 phillips screwdriver.

2. If mounting to an electrical box, remove the 7/8-inch diameter knockout from the backplate. If using conduit, remove the 1/2-inch-1/4 NPT pipe plug.



Test Button/ Service Alert Indicator

3. Remove the appropriate backplate knockouts to accommodate the electrical box screws.

4. Peel the backing from the J-box gasket and adhere it to the backplate, centered around the knockout.

5. Feed the building wires through the center knockout as shown, then secure the backplate using the screws provided with the electrical box.

6. Connect the building wires to the charger board power wires.

Ground Connection:

- Connect Green wire from the unit to ground wire from the building.

Neutral Connection:

- Connect white wire from the unit to the white wire from the building.

Line (Power) Connection

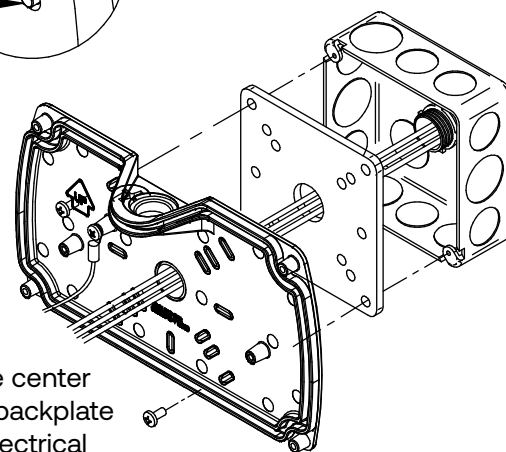
- To enable "Normally On" functionality:

Connect black and red wires from the unit to line from the building.

- To disable "Normally On" functionality;

Connect only black wire from the unit to the line from the building.

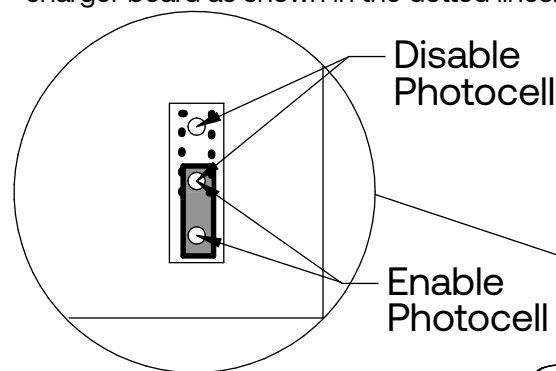
(Cap off Red wire to ensure safe termination)



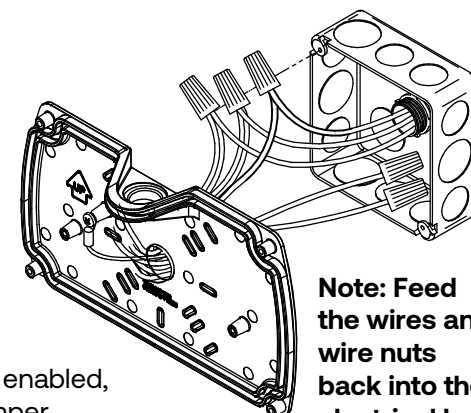
INSTALLATION

7. If the "Normally On" functionality is enabled and a 0-10 V dimmer is being used, connect the pink and purple dimming wires from the unit to the building's dimming controller. If dimming functionality is not required, cap off both the pink and purple wires securely using wire nuts or an equivalent method to ensure safe termination.

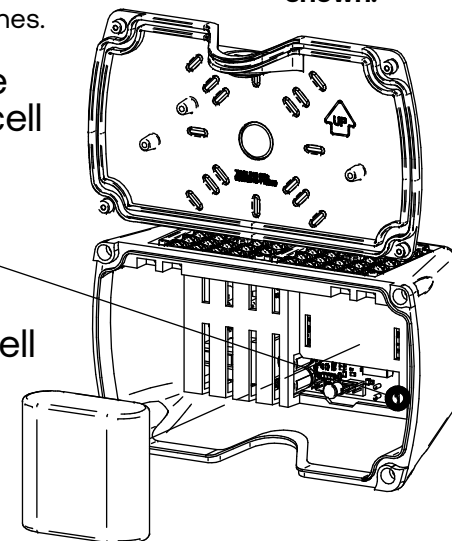
8. If the "Normally On" functionality is enabled, to enable the photocell, place the jumper towards the end of the charger board as shown in the picture. To disable the photocell, place the jumper away from the edge of the charger board as shown in the dotted lines.



Note: The unit ships with the photocell disabled by default. When the 'Normally On' functionality is active, the daylight sensor can be enabled by placing the jumper near the bottom edge of the charger board as shown in the diagram. To disable the photocell, reposition the jumper away from the bottom edge to the location indicated by the dotted lines.



Note: Feed the wires and wire nuts back into the electrical box through the backplate as shown.



9. Connect the battery harness to the charger board. For -HTR options, ensure heater wires are connected.

10. Tighten the captive screws to 9.5 in-lbs by following a cross-pattern sequence.

Note: Ensure all wires are within enclosure to avoid pinching with cover.