

INSTALLATION MANUAL



SAFETY INFORMATION

BE SURE THE POWER IS OFF! RISK OF ELECTRICAL SHOCK: Always use the switch to power off. Do not perform any operations while this unit is powered on. The electrical system you want to connect the device to must be grounded. Read the instructions before using or powering this device. The safety instructions must remain with the unit in case of transfer. Any damage to the device linked to an inappropriate use is excluded from support by the warranty. Before connecting, make sure that the current and voltage are compatible with this device. We highly recommend that all installations are made by QUALIFIED ELECTRICIAN. We are NOT responsible by any means for the use or misuse of the following information. We are NOT responsible in whole or part for any harm or damage that may or may not be caused. We reserve the right to revise the components of any product, due to part availability or change ETL, CUL, UL standards without assuming any obligation or liability to modify any products previously manufactured and without notice. These instructions do not cover all details of variations in equipment, nor do they provide every possible contingency to be met. Turn off / unplug power when installing or service device.

PRE-INSTALLATION

- Carefully remove the fixture from the carton.
- Before beginning assembly, installation, or operation of product, make sure all parts are present. Compare parts with package contents list and diagram on previous page. If any part is missing or damaged, do not attempt to assemble, install or operate the product. Contact customer service for replacement parts.
- Tools required for assembly (Not Included): screwdriver, phillips screwdriver, pliers, electrical tape, wire cutters, safety glasses, ladder, wire stripper.

FCC WARNING

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

NOTES: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

WARNING: Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in a potentially fatal electric shock, fire, and/or property damage.

1. To avoid the possibility of electrical shock, turn off power supply before installation or servicing.
2. Review the diagrams thoroughly before installation.
3. All electrical connections must be in accordance with the National Electric code and local codes.
4. Do not let power supply cords touch hot surface.
5. Do not mount the fixture near gas or electric heaters.
6. Equipment should be mounted in locations where it will not be readily subject to tampering by unauthorized personnel.
7. The use of accessory equipment not recommended by the original manufacturer may cause an unsafe condition.
8. Do not use this equipment for other than intended use.
9. Servicing of this equipment should be performed by qualified service personnel.
10. Where provided, allow battery to charge for 24 hours prior to first discharge.
11. Battery have to recharge if product keep in stock over 9 months, detail manual refer "BATTERY STOCK AND RECHARGE GUIDELINE".
12. We recommend that the equipment be tested regularly in accordance with local codes. Replace the batteries as needed if discharge time do not achieve 90 minutes.

INSTALLATION (Caution: Before beginning installation turn off the circuit breaker and light switch)

INSTRUCTIONS:

1. For normal lighting use, the fixture can be configured for automatic operation by the built in daylight photo sensor, or can be switched through an external switch. For battery backup models the fixture will illumination from the battery power on loss of normal AC, regardless of the photo sensor or wall switch operation.

2. For photo sensor operation, leave the jumper between terminals 1 and 2 and slide the slide switch to the Photo Sensor position (see Fig. 4 for wiring connections). The photo sensor will turn the fixture on when the ambient lighting < 10 Lux, and off when the ambient lighting > 30 Lux.

3. For an external switch: remove the jumper between terminals 1 and 2, connect the switch device between terminals 1 and 2, and slide the slide switch to the Wall Switch position (see Fig. 5 for wiring connections). The external switch connections must be fully isolated from any other circuitry.

4. For "Normally Off" standby battery backup operation only: connect the AC power as shown in Fig. 2 or 3 below and remove the jumper between terminals 1 and 2. The slide switch is defeated in this mode so it can be in either the Photo Sensor or Wall Switch positions.

5. Press the test button. The LED heads will turn on to discharge and the LED indicator light will turn off. Release the test switch, LED indicator will turn on and the LED heads will turn off.

PHOTO SENSOR  **WALL SWITCH**
Slide switch to select function

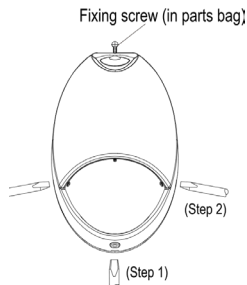
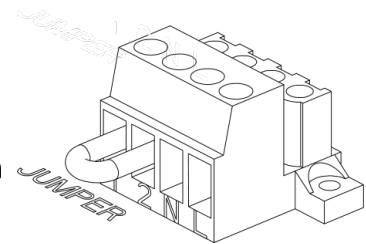


Figure 1

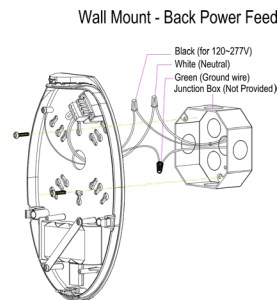


Figure 2

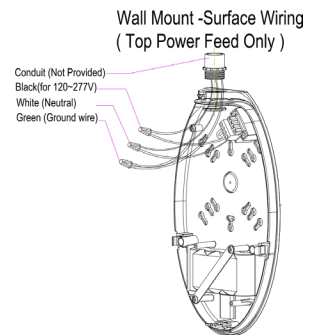


Figure 3

INSTALLATION MANUAL

INSTALLATION (Caution: Before beginning installation turn off the circuit breaker and light switch)

Figure 4

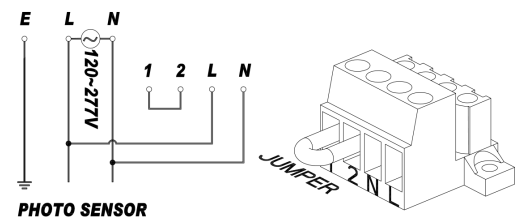


Figure 6

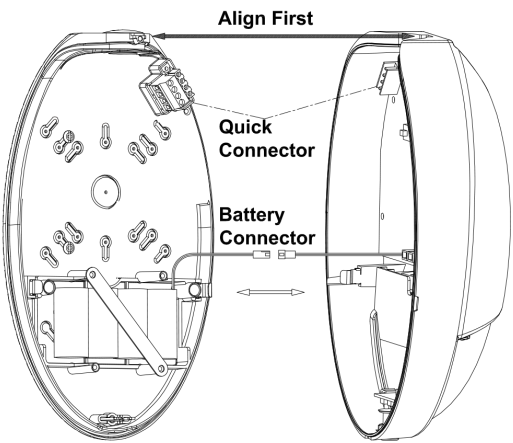
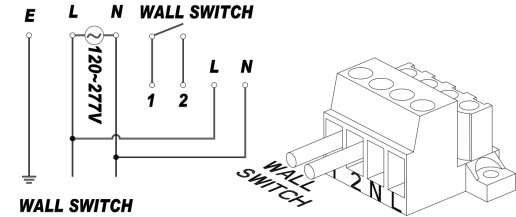


Figure 5



Installation:
ATTENTION: WHEN CONNECTING TO A 277VAC, REFER TO HEATER PAD INSTALLATION INSTRUCTIONS ON LAST PAGE.

Figure 1: Open the front cover
Figure 2: Installation using junction-box Figure 3: Installation using conduit
Figure 4: Wiring diagrams for photo sensor Figure 5: Wiring diagrams for wall switch Figure 6: Assembly and quick connector

1. Install Emergency Lighting according to the above instructions
2. Once AC power is supplied to fixture, the unit will automatically initiate a self-Test and self-Diagnostic test as follows.
 - (1) Verifies battery disconnection, charger failure, transformer failure at every 5 seconds.
 - (2) One-minute Self-Testing (battery discharging test) every month.
 - (3) 30 minutes Self-Testing (battery discharging test) on the 6th month of the year.
3. Dual color LED lamp shows the following status:
 - (1) Green color ON/ Ready
(Operating Status) ☐ Blinking: Testing
 - (2) Red color (Service Alert)
 - (3) Service Alert LED Code (Red color LED lamp)

●	One blink ON/pause (4 seconds)	Battery is not connected
●●	Two blinks ON/pause (4 seconds)	Battery is shorted or battery voltage drops below an acceptable value
●●●	Three blinks ON/pause (4 seconds)	Charger board circuit fault
●●●●	Four blinks ON/pause (4 seconds)	Transformer fault

4. For manual test, press test button as follows:

Press test button once	(within 2 seconds)	30 seconds test
Press test button twice	(within 2 seconds)	3 minute test
Press test button 3 times	(within 2 seconds)	30 minute test
Press test button 4 times	(within 2 seconds)	90 minute test

IMPORTANT

After correcting a service alert fault, it is necessary to depress the test button for 2 seconds. Once released the LED indicator will be green if all faults have been corrected.

INSTALLATION MANUAL

INSTRUCTION OF CONNECTIONS FOR HEATER PAD(Caution: Before beginning installation turn off the circuit breaker and light switch)

Installation:
ATTENTION: WHEN CONNECTING TO A 277VAC, REFER TO INSTALLATION INSTRUCTIONS BELOW

Figure 1: Heater pad introduce
Figure 2: Installation battery to heater pad Figure 3: Installation heater pad
Figure 4: 120V heater pad wiring diagram Figure 5: 277V heater pad wiring diagram

