

Installation Instructions

URGENT: READ PRIOR TO ATTEMPTING INSTALLATION

NE-902LED

SLIM TYPE LED EMERGENCY LIGHT, PHOTO SENSOR W/ DIAGNOSTICS
120-277V, 5000K

INSTALLATION SHOULD BE CARRIED
OUT BY YOUR LOCAL ELECTRICIAN.

ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION

Item #	Description
NE-902LEDW	SLIM TYPE LED EMERGENCY LIGHT, PHOTO SENSOR W/ DIAGNOSTICS, 120-277V, 5000K, WHITE
NE-902LEDBZ	SLIM TYPE LED EMERGENCY LIGHT, PHOTO SENSOR W/ DIAGNOSTICS, 120-277V, 5000K, BRONZE
NE-902LEDB	SLIM TYPE LED EMERGENCY LIGHT, PHOTO SENSOR W/ DIAGNOSTICS, 120-277V, 5000K, BLACK

IMPORTANT SAFEGUARDS:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Review the diagrams thoroughly before beginning.
2. All electrical connections must be in accordance with local codes, ordinances and the National Electric code.
3. Disconnect power at fuse or circuit breaker before installing or servicing.
4. Do not use outdoors.
5. Do not mount in hazardous locations, or near gas or electric heaters.
6. Do not let power cords touch hot surface.
7. Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
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. All servicing should be performed by a qualified personnel only.
11. Allow battery to charge for 24 hours before first use, for 2-battery models, need 48 hours to fully charge batteries.

MAINTENANCE:

None required. Replace the batteries as needed according to ambient conditions. However, we recommend that the equipment be tested regularly in accordance with local codes.

OPERATION:

Press the test button. The LED heads will turn on and the LED indicator will turn off. Release the test switch and the LED indicator will turn on and the LED heads will turn off.

TROUBLESHOOTING GUIDE:

If LED heads or LED indicator does not illuminate, check the following:

1. Check AC supply - verify that unit has 24 hours AC supply.
2. Unit is shorted or battery is not connected.
3. Battery discharge. Permit unit to charge for 24 hours then re-test.
4. If the troubleshooting hints stated above do not solve your problem, contact factory for assistance.

Luminaire ON/OFF Control:

There are 2 kinds of ON/OFF control functions for the luminaire:

1. **Standard (Default)** - Luminaire ON/OFF is controlled by a photosensor.
if ambient illumination is < 10 Lux = Luminaire will turn on automatically.
if ambient illumination is > 30 Lux = Luminaire will turn off.

Photosensor can be changed to Wall switch control. Remove the jumper cable and connect the external wall switch device between terminal 1 and 2. (See Fig.5)

1. **Photosensor & PIR** - Luminaire is controlled by photosensor & PIR
if ambient illumination is < 10 Lux and the PIR sensor detects human movement = Luminaire will turn on and stay on for 2 minutes.
if the PIR sensor does not detect human movement = Luminaire will turn off
if ambient illumination is > 30 Lux = Luminaire will turn off.

When normal supply fails, the luminaire will convert to emergency mode.

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Wall Mounting - Back Power Feed (Fig.2)

1. Use flat blade screwdriver. Insert the screwdriver to the slots and pry off front cover from fixture. (see Fig.1)
2. Knock out center and appropriate mounting screw holes on the back plate. (See Fig. 2)
3. Feed AC supply leads through center hole on housing and securely mount fixture on the J-Box with the screws provided.
4. Connect the unit's wires to a power supply using the wire nuts provided. Connect the white wire to neutral, Connect the black wire to hot lead (120-277V) and then feed the wires and the wire nuts back into the J-box through the back plate (See Fig. 4)
5. Plug the male battery connector into the female battery connector on the LED Driver.
6. Make the correct heater pad connection if the unit has a heater pad option. (See instructions for heater pad)
7. Snap the front cover onto the back plate.
8. Restore power and press the test button and wait for the LED heads to turn on.

Conduit Mounting

1. Remove the NPT 1/2" pipe plug from the top of the unit.
2. Open the unit, secure the unit on the conduit and feed the wires into the unit.
3. Connect the unit's wires to a power supply using the wire nuts provided. Connect the white wire to neutral, Connect the black wire to hot lead (120-277V) and then feed the wires and the wire nuts back into the J-box through the back plate (See Fig. 4)
4. Plug the male battery connector into the female battery connector on the LED Driver.
5. Make the correct heater pad connection if the unit has a heater pad option. (See instructions for heater pad)
6. Snap the front cover onto the back plate.
7. Restore power and press the test button and wait for the LED heads to turn on.

Open Fixture

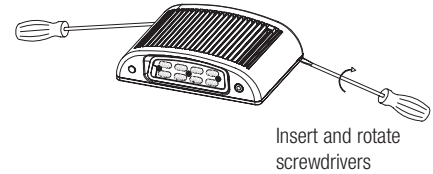


Fig. 1

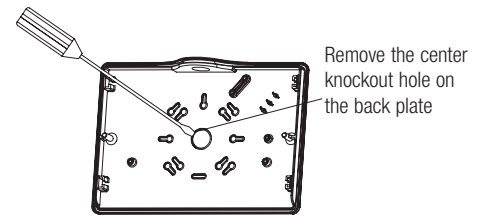


Fig. 2

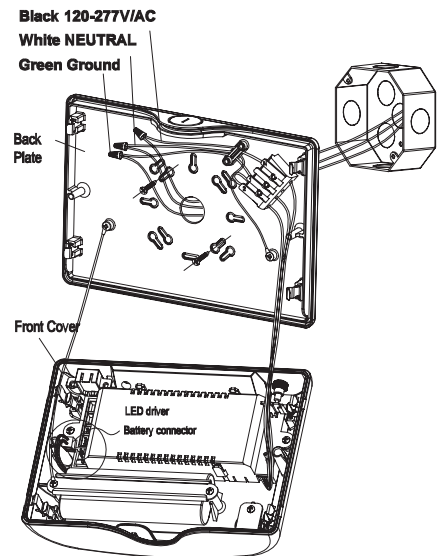


Fig. 3

Wiring Diagram

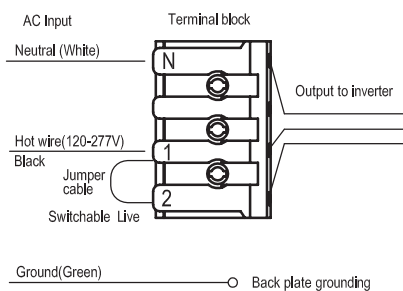


Fig. 4

Photosensor to Wall Switch

1. Move the slide switch knob to the left and the photosensor will convert to wall switch function.

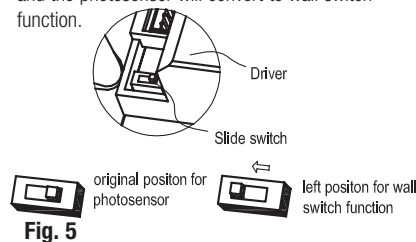


Fig. 5

2. Remove the jumper, connect the wall switch on terminal 1 and 2. If the jumper cable is left on the terminal block, the luminaire is always turned on on normal supply.

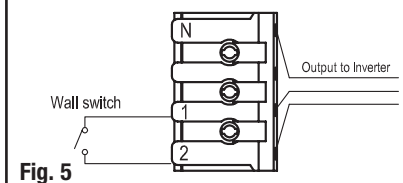


Fig. 5