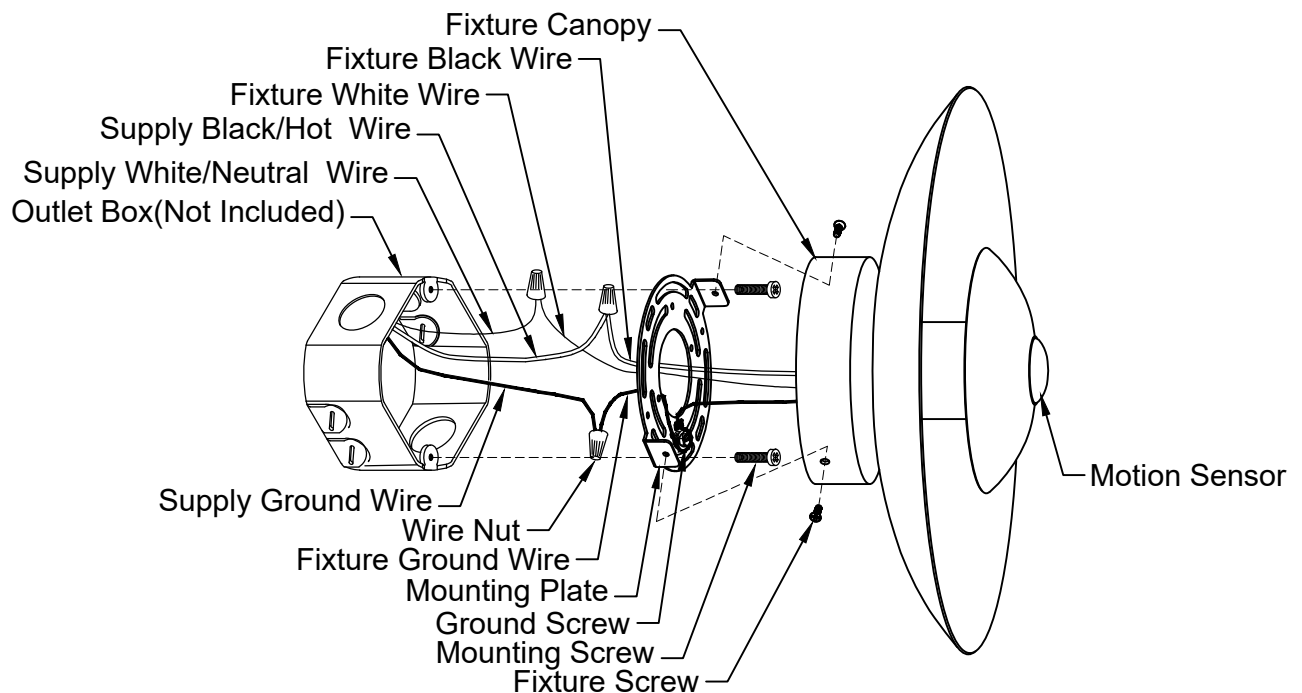


ASSEMBLY AND INSTALLATION INSTRUCTIONS

WARNING: TO AVOID RISK OF ELECTRICAL SHOCK, BE SURE TO SHUT OFF POWER WHILE INSTALLING OR SERVICING THIS FIXTURE

NOTES: 1. Before installing, consult local electrical codes for wiring and grounding requirements.
2. READ AND SAVE THESE INSTRUCTIONS.



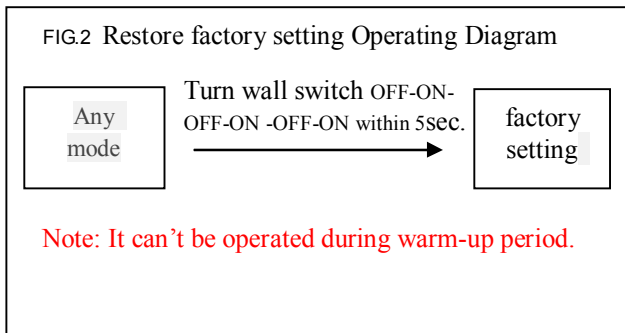
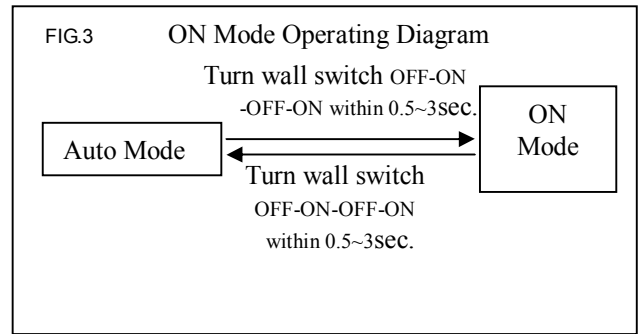
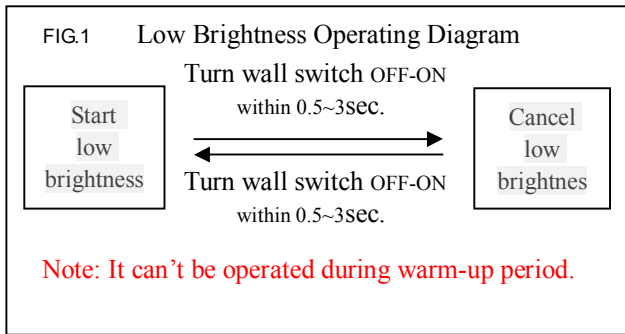
1. Attach the mounting plate to the outlet box by using two mounting screws.
2. Pull out the wires and grounding wire from the outlet box. Make wire connections using the wire nuts as follows:
 - Connect the hot wire(usually black insulation)from the fixture to the black wire from the power source.
 - Connect the neutral wire(usually white insulation)from the fixture to the white wire from the power source.
 - Attach the fixture grounding wire(usually green insulation or bare wire)to the mounting strap with the green grounding screw, then connect it to the house grounding wire with the wire nut.Carefully put the wires back into the outlet box.
3. Attach the back plate to the mounting plate by inserting the screws,then secure it with two nuts.

Turn on the power at the fuse or circuit box.

Function and Operation

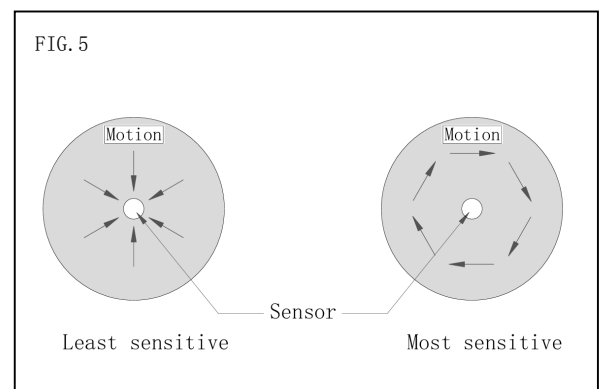
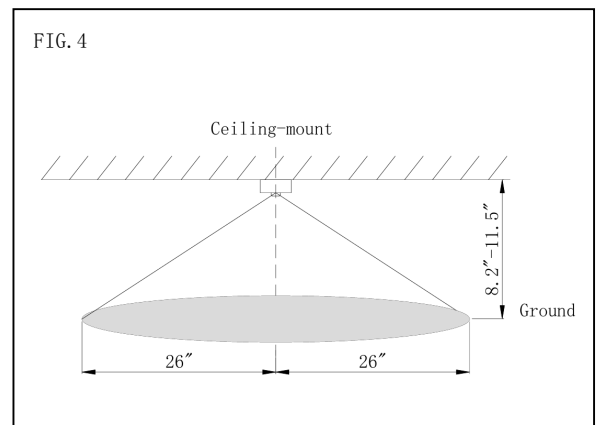
MODES OF OPERATION

Mode	Works at	ON time	Shut off delay time	Explanation
Stand-by mode	Day & Night	15 Sec	/	Turn on the power at the main fuse or circuit breaker box, the light will turn on immediately .Wait for about 15 seconds to allow the sensor to warm up, then the light will automatically enter into the TEST mode.
 Test mode	Day & Night	As motion existing	5 Sec	The light will turn on at low-level brightness (40% brightness) in test mode. When motion is detected ,the light will turn to high-level brightness (100% brightness), and stay on as long as the motion is continuing. The light will revert to low-level brightness about 5 seconds after motion is no longer detected. There is one red LED on motion sensor flashing 1 times when motion is detected. Note: The time of TEST mode is approximately 120 seconds, then light will automatically enter into the AUTO mode.
 Auto mode	Night only	As motion existing	2 Min.	At dusk, the light will turn on at low-level brightness (40% brightness). When motion is detected, ,the light will turn to high-level brightness (100% brightness), and stay on as long as the motion is continuing. The light will revert to low-level brightness about 120 seconds after motion is no longer detected. This is the factory setting. Until dawn, the lights will turn off in about 30 seconds after the motion is no longer detected. There is one red LED on motion sensor flashing 1 times when motion is detected. Note1: If you don't need low brightness, turn off and turn on the wall switch once within 3 seconds when the fixture is running. If you want to restart the low brightness, operate the wall switch again in the same method. (See FIG.1) Note2: If two lighting fixture are connected to the same wall switch, and the work is out of sync, you can switch the wall switch three times (OFF-ON-OFF-ON-OFF-ON) within 5 seconds when the sensor works in Test mode or Auto mode, so that the sensor can be restored to the factory settings. (See FIG.2)
 On Mode	Day & Night	Manual override operate	Continuous lighting	Within 3 seconds, switch the wall switch twice(OFF-ON -OFF-ON)in Test mode or Auto mode, will disables the motion sensor and Dusk-to-Dawn sensor, the LED indicator flashes rapidly 6 times, and the lighting fixture will remains always on. Switch the wall switch twice again within 3 seconds (OFF-ON -OFF-ON) to exit the ON mode. The LED indicator flashes slowly 3 times, and the lighting fixture return to automatic mode. (See FIG.3) Note: The product has power-off memory function, and will still work in ON mode if it is powered off for more than 5 seconds after entering ON mode. Unless you switch the power switch once or twice to exit the ON mode or restore the factory settings for switch the power switch three times. ON mode does not have the function of preheating and lighting for 15 seconds.



NOTE:

1. The sensitivity of the motion sensor will increase as the environmental temperature gets cooler. For best performance, gently clean the lens with a soft cloth every 1 or 2 months to assure maximum sensitivity.
2. For best performance, install fixture at 8.5~11.5feet above the ground. At such a height, the lantern will provide a detection distance of up to 26 feet at 77 degrees Fahrenheit.(See Fig.4)
3. The sensor detects across a detection range of 360 degrees.(See Fig.4)
4. The sensor will be more sensitive to motion across its detection path than motion directly towards it. (See Fig.5)
5. To reduce possible nuisances, do not mount the fixture near a heat source like an air conditioner, vent or furnace exhaust, or in a direction facing any reflecting object or other light source.



Troubleshooting

SYMPTOM	Possible Cause	Solution
The lighting fixture doesn't work in Test Mode	Wall switch or circuit breaker is off The wiring is mistake	Turn on a switch or circuit breaker. Check wire connections.
In Auto mode, the lighting fixture does not turn on when there is motion	Wall switch or circuit breaker is off	Turn on a switch or circuit breaker.
	Light bulb may be dead.	Test the light bulb in a known working light fixture
	Light bulb is loose.	Tighten the light bulb in the socket.
	Incorrect or loose wire connections.	Check wire connections.
	Too much light is shining onto the Dusk-to-Dawn sensor due to another light source, such as a street lamp or other light fixture.	Eliminate or turn off other light source, block other light source from shining onto Dusk-to-Dawn sensor, or relocate fixture.
In Auto mode, the lighting fixture stays on at 100% brightness continuously.	1.Lighting unit is in ON mode. 2.False triggering caused by a heat source, such as street or sidewalk traffic, a heater or dryer vent, or air conditioning vent, or heated swimming pool.	1.Refer to the method shown in Fig 3 to disable the constant lighting function. 2.Eliminate heat source or relocate fixture
The lighting fixture comes on at 100% brightness for no apparent reason	False triggering caused by a heat source, such as street or sidewalk traffic, a heater or dryer vent, or air conditioning vent, or heated swimming pool.	Eliminate heat source or relocate fixture
The lighting fixture comes on during the daytime or too early in the evening	The fixture may be installed in a shaded area, such as under a porch or eave, preventing daylight from shining onto the Dusk-to-Dawn sensor.	Relocate the fixture
<i>The LED bulb or fluorescent bulb flickers when the lighting fixture is dimmed down to low-level brightness.</i>	<i>Non-dimmable LED bulb or fluorescent bulb is used on the lighting fixture.</i>	<i>Replace dimmable LED bulb or fluorescent bulb, or incandescent bulb</i>
	<i>Mismatched dimmable LED bulbs or fluorescent bulbs are used.</i>	<i>Use a well-known brand of LED bulb or fluorescent bulb, or refer to FIG1 to cancel the low-level brightness function.</i>
In automatic mode at low brightness, the standby brightness is nearly full brightness.	A small number of dimmable LED bulbs or fluorescent lamps are incompatible.	Replace with suitable dimmable LED bulbs or fluorescent bulb, such as those from well-known brands.
Other abnormalities occurred in the lighting fixture during operation.	The input wires of the lighting fixture is connected to the output wires of the dimmer.	Set the dimming ratio of the dimmer to 100%, or cancel the dimmer and directly supply power to the lighting fixture from the commercial power.