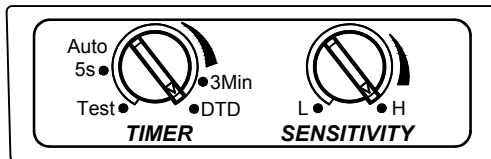


# Motion Sensor Function and Operation

## MODES OF OPERATION

Mode	Works at	Activated by	ON time	Shut off delay time	Explanation
Warm-up	Day & Night	First activation	First Use or Reset	15 sec	Restore power to the fixture by switching on the main fuse or circuit breaker. Upon initial activation, the light will automatically illuminate for approximately 15 seconds, allowing the internal circuitry to stabilize and the motion sensor to complete initialization. After this brief period, the fixture will automatically enter the mode selected on the motion sensor dial during installation (Test Mode, Auto Mode, or Dusk-to-Dawn (DTD) Mode).
Test Mode	Day & Night	Motion	As motion existing	5 sec	When the left dial on the motion sensor is set to "Test", the fixture remains off until motion is detected. Upon sensing motion, the light will illuminate and stay on as long as movement continues. Once motion stops, the fixture will automatically turn off after approximately 5 seconds. This mode allows you to conveniently test sensor functionality while conserving energy.
Auto Mode	Night only	Motion	As motion existing	5 sec ~ 3 min	At dusk, the light remains off until motion is detected. Once motion is sensed, the light will turn on and stay illuminated as long as movement continues. After motion stops, the light stays on for a preset duration (adjustable from 5 seconds to 3 minutes by rotating the left dial), and then automatically turns off. The lights will automatically deactivate at dawn. Note: This is the default operating mode upon receiving your fixture.
DTD Mode	Night only	Low ambient light levels	Dusk until Dawn	at Dawn	To activate DTD (Dusk to Dawn) Mode, rotate the left dial on the motion sensor to the "DTD" position. In this mode, the fixture will automatically turn on <u>at dusk</u> (when ambient light levels are at or below 90 lux) and remain illuminated until dawn (when ambient light exceeds 600 lux).
Manual Override Mode	Night only	Wall switch Operation	Manual override operate	5.5 hours or Turn off at dawn	In Auto Mode, you can activate the Manual Override by quickly switching the wall switch OFF, then back ON within 2 seconds. The light will then remain continuously illuminated for approximately 5.5 hours, or until daylight is detected. Once the sensor detects daylight, the fixture automatically returns to Auto Mode. To manually exit Override Mode and revert to Auto Mode, simply repeat the same operation (turning the wall switch OFF and then ON within 2 seconds).

Fig.3



### SENSITIVITY:

The sensitivity switch is factory-set at the "H" (High) position, providing a maximum detection radius of approximately 26 feet. You can adjust the sensitivity according to your needs by setting the dial between High and Low (10 feet).

### Note:

When installed at a height between 10–13 feet (3–4 meters) and at an ambient temperature of approximately 68°F (20°C), the fixture provides an effective detection radius of 10–30 feet (±5 feet). Note that the sensor's sensitivity will increase as the ambient temperature decreases. Seasonal adjustments to sensitivity settings may be necessary for optimal performance.

Fig.4

### Manual Override Operating Diagram

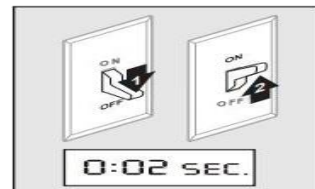
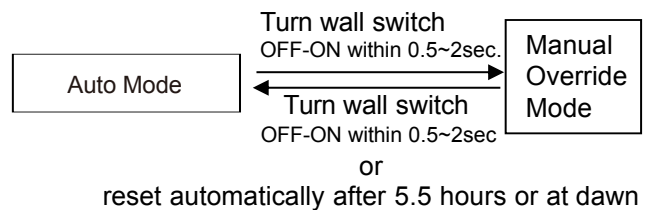
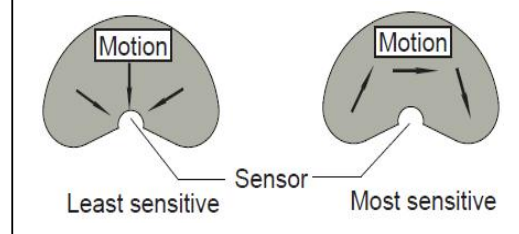


Fig.5



## Important Usage and Maintenance Instructions:

- 1. Wall Switch Position:** Ensure the wall switch remains in the "ON" position at all times—including daytime—to ensure proper functionality of all sensor modes.
- 2. Mode Operation:** In Test Mode, the fixture illuminates for approximately 5 seconds each time motion is detected. The shut-off delay time (adjustable from 5 seconds to 3 minutes) applies only when the fixture is set to Auto Mode.
- 3. Fixture Reset Procedure:** To reset the fixture and restart the warm-up period, switch the wall switch OFF, wait at least 10 seconds, then switch it back ON.
- 4. Sensor Detection Coverage:** The sensor provides 360-degree detection coverage.
- 5. Sensor Performance Tip:** For optimal sensor performance, note that it is more sensitive to motion crossing its detection area rather than motion moving directly towards it (see Fig.5).
- 6. Lens Maintenance:** To maintain maximum sensitivity, gently clean the sensor lens every 1–2 months using a soft cloth.
- 7. Cleaning Instructions:** Turn the fixture OFF before cleaning. Gently wipe with a soft, damp cloth. Avoid detergents, solvents, or abrasive materials, as these may damage the fixture surface.
- 8. Mounting Precautions:** To minimize false activations, do not install the fixture near heat sources (e.g., air conditioners, vents, furnace exhausts). Exposure to external bright light sources (greater than 600 lux) may prevent the fixture from activating properly. To ensure reliable operation, avoid installing the fixture facing reflective objects or other strong illumination sources.
- 9. Safety Notice:** Ensure that all small installation accessories are kept out of children's reach during installation.
- 10. Color Temperature Adjustment:** Select the desired color temperature—3000K (warm white), 4000K (neutral white), or 5000K (daylight white)—by adjusting the slide switch located on the fixture's light source.

### Package Includes:

- 1 x Light Fixture
- 1 x Accessories Kit
- 1 x User Manual

### Warranty:

- 1-Year warranty are provided for this product. If you have any problems during warranty period, please feel free to email us at **lampsupport@163.com** or contact us directly on **Amazon**. The order ID and relevant images or video are preferred so that customer support can track down your order record and offer help at a timely manner.
- 1) During the warranty services, we provide a replacement or refund for the failure to customers who use the products in accordance with the user manual.
  - 2) This warranty does not cover:
    - A. Failure or damage due to improper use, repair, remodeling or falling
    - B. Failure or damage caused by fire, earthquake, flood, lightning or other natural disasters
    - C. Failure or damage when used other than its intended use
    - D. Failure or damage caused by the third-party products other than this product

# Troubleshooting

Symptom	Possible Cause	Solution
The light is not functioning in Test Mode.	The wall switch or circuit breaker is in the 'off' position.	Ensure power supply to the fixture by turning on the appropriate switch or circuit breaker.
	There may be incorrect or loose wire connections.	Check the wire connections for any issues.
	The light source may be broken.	Try reinstalling the light into an outlet that you know is functioning properly. If it still doesn't work, please contact customer support.
In Auto mode, the lighting fixture does not turn on when motion is detected.	The wall switch or circuit breaker is in the 'off' position.	Ensure power supply to the fixture by turning on the appropriate switch or circuit breaker.
	The light source may be burnt out.	Try reinstalling the light into an outlet that you know is functioning properly. If it still doesn't work, please contact customer support.
	There may be incorrect or loose wire connections.	Check the wire connections for any issues.
	Excessive sunlight is shining into the sensor in the early evening.	Wait until nighttime when ambient light is lower, then check again.
	Excessive light, perhaps from a nearby street lamp or another light fixture, is illuminating the sensor.	To test the fixture accurately, eliminate or turn off all other nearby light sources. Ensure no external lights shine onto the sensor. If necessary, consider blocking or relocating conflicting light sources.
In the Auto mode, the lighting fixture remains on at 100% brightness continuously.	False triggering may be caused by a heat source, such as traffic on the street or sidewalk, a heater or dryer vent, an air conditioning vent, or a heated swimming pool.	To test the motion sensor, temporarily cover the front curved lens with cardboard. If the fixture turns off, it indicates that an object within the sensor's detection zone is triggering the light. Adjust the sensor's sensitivity as needed. If issues persist, consider blocking or relocating nearby heat sources that could cause false activation.
In Auto mode, the lighting fixture turn on at 100% brightness unexpectedly.	False triggering may be caused by a heat source, such as traffic on the street or sidewalk, a heater or dryer vent, an air conditioning vent, or a heated swimming pool.	An object within the sensor's detection zone may be triggering the light. Adjust the sensor's sensitivity as needed. If issues persist, consider blocking or relocating nearby heat sources that could cause false activation.
The lighting fixture is experiencing undesired activation during daytime or premature operation in the early evening.	Ensure that no objects or obstructions block the sensor's field of view, as these may cause inaccurate detection of ambient light levels.	Remove any debris or obstacles that might interfere with the sensor's functionality, or consider relocating the fixture.
The LED light source may experience flickering.	An incompatible dimmer switch is being used to control the light.	Turn off the light and wait at least 10 seconds. Set your home's dimmer switch to 100% brightness, then turn the light back on and test operation again.  If the problem still continues, consider replacing your dimmer switch with a compatible model or a standard on/off switch.
In Dusk-to-Dawn mode, Auto mode or manual override mode, the light continues to remain illuminated even after dawn.	The ambient light level is insufficiently low.	Remove any debris or obstacles that might interfere with the sensor's functionality, or consider relocating the fixture to an area with sufficient ambient lighting to ensure accurate sensor performance.

**IMPORTANT:** If the issue persists, it is advisable to consult the user manual or contact customer support for further guidance.