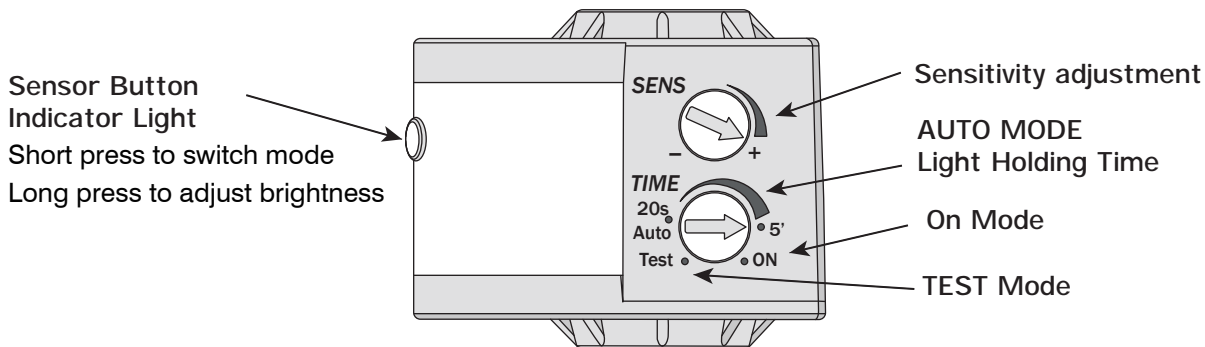
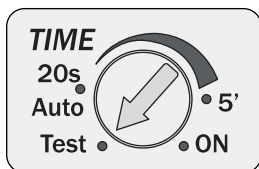


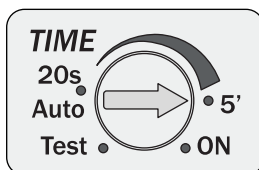
# Motion Sensors Instruction Manual



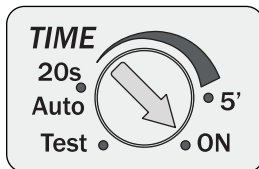
## Quick Sensor Setup:



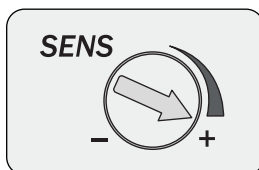
**TEST MODE:** When the fixture is powered on, it will illuminate for 15 seconds regardless of day or night, continuously testing the functionality of the fixture and bulb. It will then switch to the motion sensor test mode, where the fixture's sensor will briefly light up in response to motion to assist in the installation test. (The test mode is only for installation testing and is not a normal working mode.)(Fig.AA)



**AUTO TIME** After completing the initialization test, it is necessary to turn the TIME knob from TEST to AUTO mode, (Fig.BB) In the auto mode, you can adjust the light holding time after the motion sensor is activated, from 20 seconds to 5 minutes. Only within this mode's time range can you utilize the sensor button to switch between the three modes: DIM, ECO, and D2D. (Fig.CC)



**ON** In the On mode, the light will stay continuously lit with all sensor functions disabled (including D2D, motion detection, etc.), and will be controlled solely by your light switch for turning on and off.



**Sensitivity adjustment** Use the SENS adjustment dial to set the sensor's detection range between 10 and 40 feet according to your requirements.

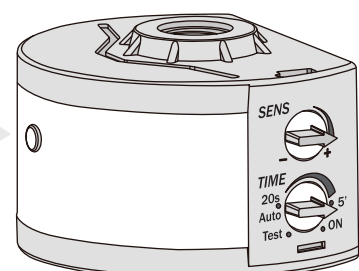
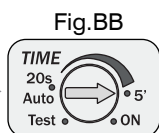
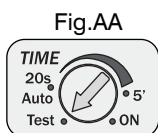
## Sensor Button

### Auto Mode Switch:

1. Adjust the TIME knob within the range of 20 seconds to 5 minutes in AUTO mode.(Fig.BB)
2. Short press to switch mode. (Fig.CC)
3. DIM (default mode) > ECO > D2D








### Adjust Light Brightness:

- Long press to adjust brightness. (Fig.CC)



# Motion Sensor Operating Mode:

\* Light brightness adjustable

Working Mode	Indicator Light	☀ Day	☾ Night	☾🚶 Motion Detected	☾ Night
<b>DIM MODE</b> 	Sensor button switch	Red Light	💡 OFF	💡 30%* ON	💡 100% ON
<b>ECO MODE</b> 		Green Light	💡 OFF	💡 OFF	💡 100%* ON
<b>D2D MODE</b> 		Blue Light	💡 OFF	💡 100%* On at night	
<b>OVERRIDE MODE</b> 	OFF	💡 OFF	💡 100% On for 8 hours. Then resume previous working mode		
<b>TEST MODE</b> 	White Light	💡 30% ON	💡 30% ON	💡 100% ON for 3 sec	💡 30% ON
<b>ON MODE</b> 	OFF	💡 100%* On off Completely controlled by the light switch 			

**DIM MODE:** With 30% dim light at night, activated with 100% light once motion is detected, revert to 30% brightness without movement. Full turn-off at dawn.

*Requires low-level lighting throughout the night to save energy while ensuring decorative and safety aspects.*

**ECO MODE:** Full off at night, 100% light once motion is detected, revert to full off brightness without movement. Full turn-off at dawn.

*The most energy-efficient option, remains off throughout the night and only illuminates when someone passes by.*

**D2D MODE:** Dusk to Dawn mode only, the lights automatically turn on throughout the night and off during the day, with motion detection disabled.

*Always light up at night, Enhance safety during the night further, and you don't want the lights to light up and go off frequently due to triggering sensors, such as when the lights face the road or there are many pedestrians.*

**Override 8H Mode:** Turn the light switch "off-on" within 2 seconds. The wall light will be forced to maintain 100% brightness for about 8 hours and then resume the last working.

*Temporary scenarios where lights need to remain on throughout the night, such as parties, work, festivals, etc.*

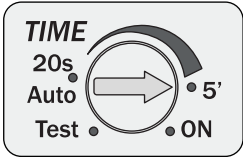
## Adjust light brightness:

- To adjust the brightness, press and hold the sensor button. The sensor indicator light and the bulb will start flashing. During this time, the bulb will cycle through different brightness levels. Release the button once you reach your desired brightness, and the light fixture will save your selected brightness setting.
- In the DIM mode, you adjust the brightness in standby dim light mode to within a range of 15%-50%.
- In ECO / D2D / ON modes, you adjust the brightness in operational mode to a range of 15% -100 %.
- Please make sure to use dimmable LED light bulbs for this functionality.
- The dimming setting for each mode setting is stored.

## Restore factory settings

- Quickly toggle the power switch of the light fixture 5 times or more.  
(OFF→ON→OFF→ON→OFF→ON→OFF→ON→OFF→ON)
- This action will clear all previous settings (brightness and detection distance) and restore the light fixture to its factory settings.

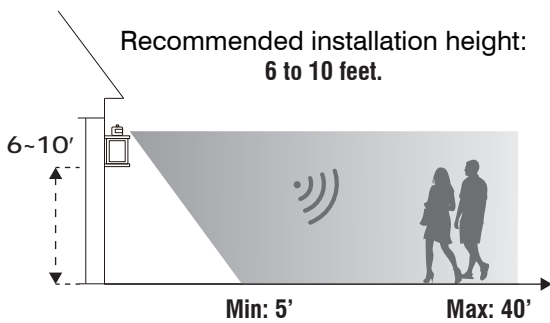
# Basic Troubleshooting Guide

SYMPTOM	DAY/NIGHT	POSSIBLE CAUSE	SOLUTION
The light does not turn on	Day	After 15 seconds to initialize the lights, the lights will turn off during the day	Cover the sensor to test
	Night	The light switch or circuit breaker is off.	Turn on the wall switch or circuit breaker.
		The light bulb may be burned out.	Test the light bulb on a normal working light fixture or change another bulb to test.
		Light bulb is loose	Tighten the light bulb.
		Faulty or loose wire connections.	Check the wire connection.
		Too much light from other light sources shining on the sensor, such as street lights, etc.	Eliminate or dim another light source, Avoid strong light source shining onto the sensor, or reposition the light fixture
	Day	The sconce is installed in the shade.	Need to relocate the fixture or tune off the light manually
The light is always on	Night	Still on the manual override mode	Turn off the light. Then turn it on after 5 seconds
		False triggering is caused by a heat source, such as a heater, dryer vent, or heated swimming pool.	Avoid heat sources during installation or manually control with switches.
		In Dim mode, the dimming of a few LED bulbs is not obvious. 30% brightness looks similar to 100% brightness.	1. Replace with incandescent bulbs or other brands of dimmable LED bulbs 2. Press and hold the button on the sensor to adjust the standby brightness in DIM mode, select the appropriate dim light brightness, and release the button.
The light bulb is flickering	Night	The bulbs used are non-dimmable bulbs or LED bulbs with poor dimming performance.	Change to incandescent bulbs, or buy dimmable LED bulbs from well-known brands.
The light comes on for no apparent reason.	Night	Street car or sidewalk traffic triggers the motion sensors.	Adjust the sensor's detection distance, or switch the light fixture to the D2D mode.
The sensor button cannot switch modes when pressed		To switch to DIM, ECO, or D2D mode, you must adjust the TIME knob to the Auto time range (2s to 5'). The knob cannot switch modes in TEST or ON mode.	

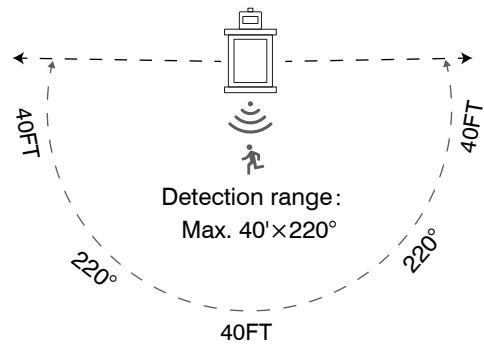
# Motion Sensor Specifications



- This sensor requires the DIMMABLE BULB to work properly otherwise it may cause the bulb to flicker.
- Motion sensor light fixtures are unsuitable for dimmer switches. This can cause damage to the sensor chip.
- The Motion sensor's recommended installation height is about 6 ~ 10 feet.
- Do not have other intense light directly on the sensor, or install the lamps too close together, which may cause the sensor to enter the light-on-off cycle.



Please make sure the light is mounted straight on the wall the wall to avoid limiting the detection distance.



Motion Detection



DESCRIPTIONS	SPECIFICATIONS
Input power	120 VAC $\pm$ 10%, 60Hz
Load Rating	Max.100W
Activating light level	OFF $\rightarrow$ ON 10~90LUX ;ON $\rightarrow$ OFF Max.500LUX
Power Consumption	Max. 0.5Watt when stand-by
Working Temp	- 30 $^{\circ}$ C ~ 50 $^{\circ}$ C
Detection range:	Max. 40FT 220 $^{\circ}$
Waterproof rating:	Wet location
Safety standards:	Meet UL/ETL standard