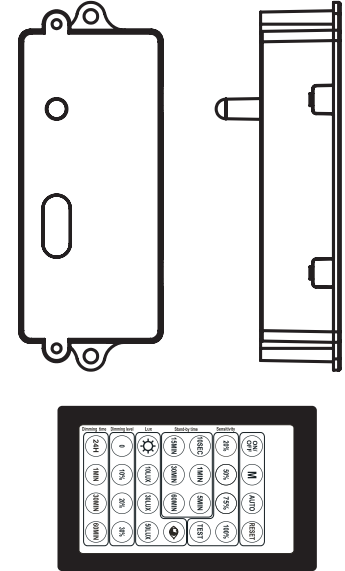


MODELS: TLCOM-IR

ELECTRICAL RATINGS:

Item	Model	Input Voltage	Power Factor	Watt	Input Current
A	TLCOM-IR	120-277VAC			

Maximum load @ -40°F ~ 158°F (-40°C ~ 70°C)	Resistive/Tungsten - 600W@120V Ballast Electronic (LED) - 800/1200VA@120/277V
HF System	5.8GHz CW
Dim control output	0-10V, max. 25mA sinking current
Detection radius/angle	Max meters/360°
Mounting height	Max 20ft
Remote range	33ft. (10m) indoor, no backlight
Humidity	Max. 95% RH
Temperature	-104°F ~ 158°F (-40°C ~ 70°C)



INTRODUCTIONS

The TLCOM-IR is a moving object sensor that can detect a range of 360° with a working frequency of 5.8GHz.

The advantage of this product is stable working state (stable working temperature: -15°C~+70°C), the TLCOM-IR adopts a microwave sensor (high-frequency output<0.2mW), so that it is safe and performs better than an infrared sensor.

Save these instructions for future reference.

WARNINGS

- BEING INSTALLED IN THE ROCKING OBJECT WILL LEAD TO MIS-OPERATION.
- THE SHAKING CURTAIN WHICH IS BLOWN BY WIND WILL LEAD TO MIS-OPERATION, PLEASE SELECT THE SUITABLE INSTALLED PLACE.
- BEING INSTALLED IN THE PLACE WHERE THE TRAFFIC IS BUSY WILL LEAD TO MIS-OPERATION.
- IT WILL LEAD TO MIS-OPERATION WHEN THERE ARE SPARKS PRODUCED BY SOME EQUIPMENT NEARBY.

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference.
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

INSTALLATION

Function and Options

It offers 4 levels of the light control: dimming light (0, 10%, 20%, 30%)—100%—dimming light (0, 10%, 20%, 30%)—off periods of selectable waiting time: motion hold time and 24 hours, selectable daylight threshold, and freedom of detection area.

If natural light, lower Light-control setting (10Lux, 30Lux, 50Lux), the light will not automatically on (0, 10%, 20%, 30%).

When person enters the room, the light will on 100%, after person left the room, the room enters in semi bright brightness after hold on time.



With sufficient natural light, the light does not switch on when presence detected.



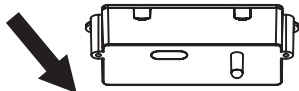
With insufficient natural light the sensor switches on the light automatically when person enters the room. (options) standby level after the The lamp never switch off with presence, even the nature light is sufficient.



People left, light still dims to 0/10%/20%/30% (options) standby level after the hold time.



Light switches off automatically after the dimming time elapsed.

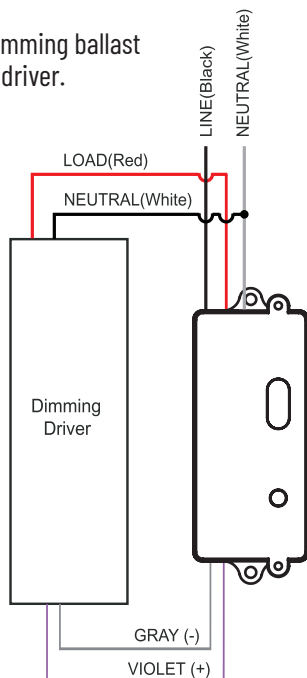


Transmission power < 0.2mW

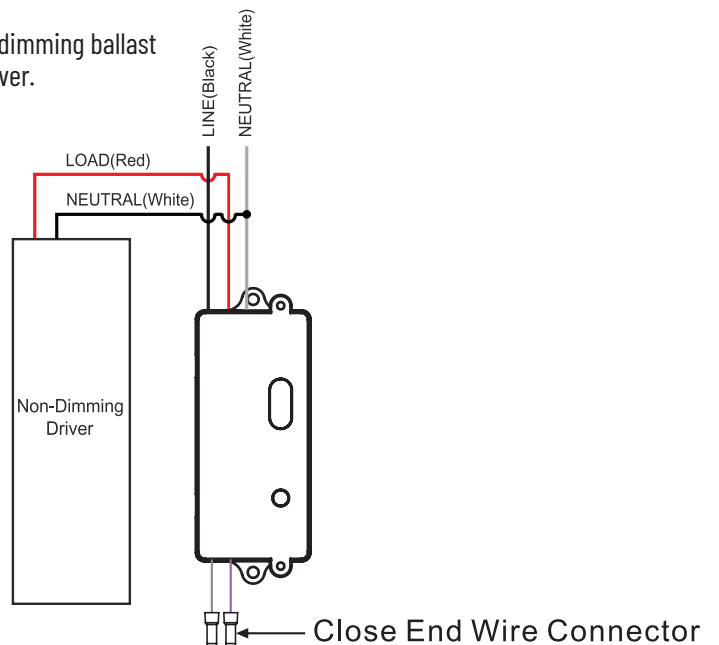
NOTE: The high-frequency output of this sensor is < 0.2mW - that is just one 5000th of the transmission power of a mobile phone or the output of a microwave oven.

Wiring Diagrams

With dimming ballast or LED driver.

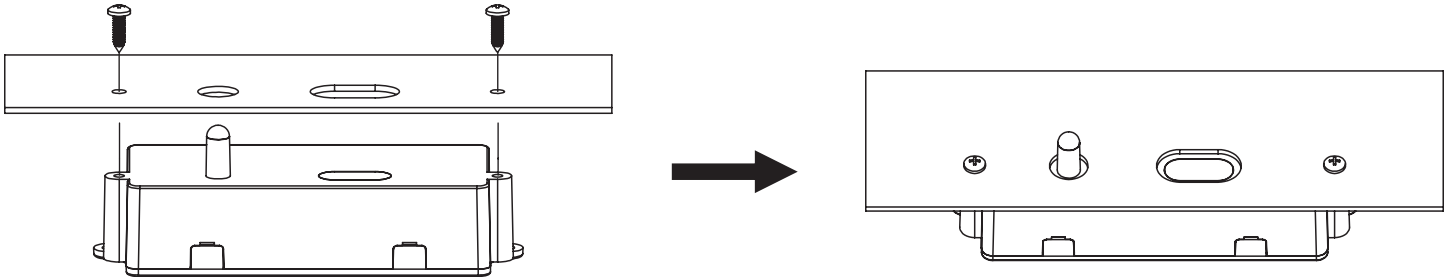


With non-dimming ballast or LED driver.

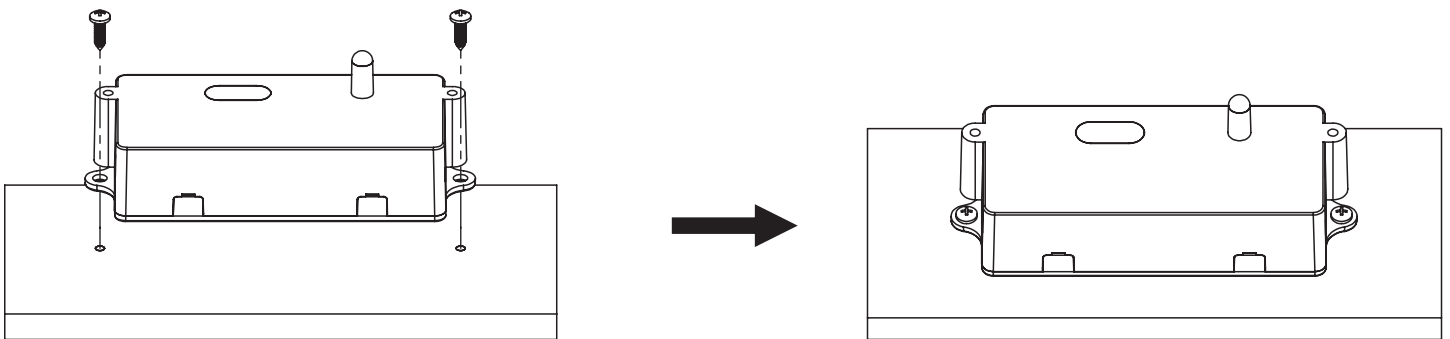


INSTALLATION

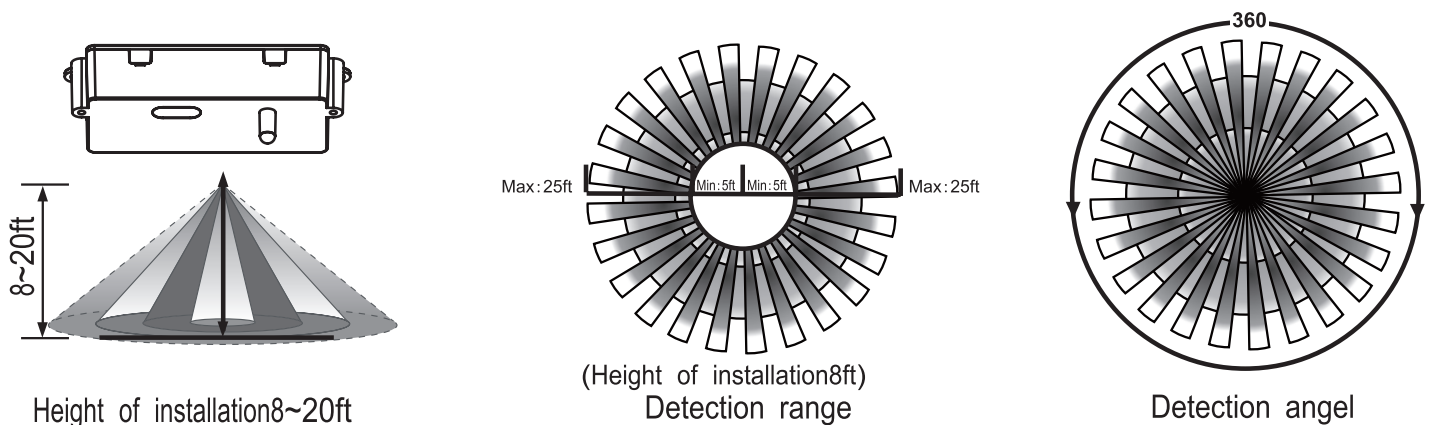
Internal Mounting



External Mounting



Sensor Detection



INSTALLATION

Remote Control Settings

		Press the on/off button, the light goes to permanent or permanent off mode, sensor is disabled.		This button test 2s is for testing purpose only. The sensor goes to test mode (hold time 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled.
		Memory the parameters		
		Press auto mode button, the sensor starts to work and all settings remain the same as the latest status before the light was switched on/off.		One touch button, the default is
		Sensitivity		Hold-time
		Press this button, the latest surrounding LUX value overwrites previous LUX value learned and is set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.		Press the buttons of the daylight sensor to set daylight threshold at 10LUX/30LUX/50LUX/ (for daylight sensor disabled).
		Stand-by dimming level		Stand-by period (Note: 24H is never off)

COMMISSIONING

After installation, please

- check whether the fixture is firmly fixed.
- check whether wires are connected correctly.

Turn on the power, and check if the fixture works well. If not, please turn off the power and contact your local dealer.