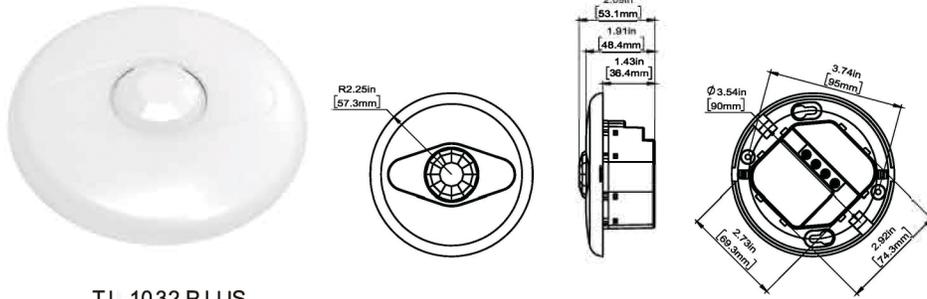


360° Line Voltage Passive Infrared Occupancy Sensor

Applicable models:
TL-1032-PLUS

360° Line Voltage Passive Infrared Occupancy Sensor



TL-1032-P LUS

INTRODUCTION

The TL-1032-P LUS is a compact, high-performance 360° line-voltage Passive Infrared occupancy sensor designed to deliver reliable, energy-efficient lighting control. Its wide detection range, quick response, and adjustable settings ensure accurate occupancy sensing for offices, restrooms, hallways, classrooms, and other commercial spaces. With easy installation and robust line-voltage operation, the TL-1032-P LUS provides a simple, effective way to reduce energy costs and enhance lighting automation.

SPECIFICATIONS

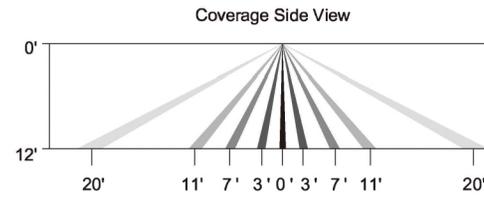
Power supply	120-347VAC 50/60Hz
Maximum load @ 32°F ~ +131°F (0°C ~ +55°C)	@120VAC, 0-800W Ballast/Tungsten/LED @230VAC(1φ), 0-1200W Ballast/LED @277VAC, 0-1200W Ballast/LED @347VAC, 0-1500W Ballast/LED
Detection radius/angle	Max 20ft. (6m)/360°
Mounting height	Max 12ft. (4m)
Time setting	10sec./1/5/10/15/20/25/30min.
Light-control	10/20/50/100/200/300/500Lux/Disable
Humidity	Max. 95% RH
Operating Temperature	32°F ~ +131°F (0°C ~ +55°C)

⚠ WARNING

NOTE: Warm up time is 40seconds. After the sensor connects input power first time, the light will keep on 40seconds, then go off to work normally.

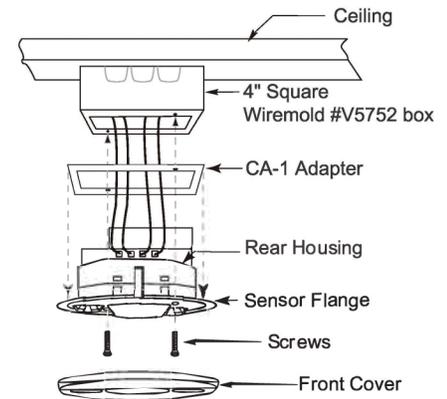
NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 10seconds, daylight sensor is disable.

SENSOR INFORMATION



CEILING MOUNTING

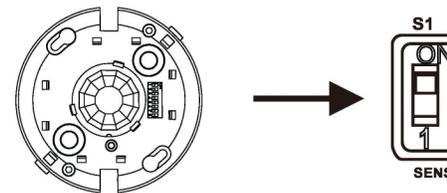
Using a 4-Inch Square Junction Box



Mounting to a 4" Square Wiremold V5752 box or 4" Square Junction Box with Double-Gang Mudring

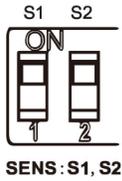
PARAMETER SETTING

Shown as chart below : By setting the S1, S2 to set the delay time of products, by setting the S6



Detection range setting (sensitivity)

Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 2.5m, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:



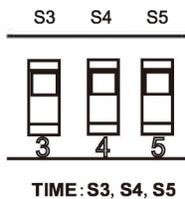
Feature	Switch#	
Detection Range	1	2
20%	↓	↓
50%	↓	↑
75%	↑	↓
100%	↑	↑

Note: the above detection range is gained if the detected person is between 1.6m~1.7m tall with middle figure and moves at a speed of 1.0~1.5m/sec. if person's stature, figure and moving speed change, the detection distance will also change.

ATTENTION: When use this product, please adjust the sensitivity to an appropriate position you need, please do not adjust the sensitivity to maximum, in case the product works abnormally because of wrong motion detection, including blowing leaves & curtains, small animals, or even power grid & electrical equipment. All the above factors can lead to abnormal work. When the product does not work normally, please try to lower the sensitivity appropriately, and then test it.

Time setting

The light can be set to stay ON for any period of time between approx. 10sec and a maximum of 30min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and detection range of the corresponding table is as follows:

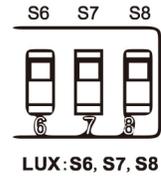


Feature	Switch#		
Time	3	4	5
10s	↓	↓	↓
1min	↓	↓	↑
5min	↓	↑	↓
10min	↓	↑	↑
15min	↑	↓	↓
20min	↑	↓	↑
25min	↑	↑	↓
30min	↑	↑	↑

NOTE: after the light switches OFF, it takes approx. 4sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

Light-control setting

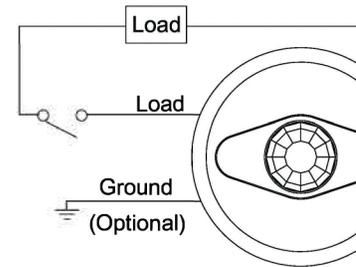
The chosen light response threshold can be infinitely from approx. 10-500lux, pull switch to the ON position as "↑", pull switch to the OFF position as "↓", switch location and light-control of the corresponding table is as follows:



Push button

Push the button to control the light on/off manually.

WIRING DIAGRAMS



SOME PROBLEMS AND SOLUTION

- The load doesn't work:
 - a. Check that the power and load requirements are correct.
 - b. Check if the load is good.
 - c. Check if the sensor accelerates its speed after movement.
 - d. Check if the working light corresponds to the sensor's detection range.
- The sensitivity is poor:
 - a. Check if there is obstruction in front of the detection zone.
 - b. Check if the ambient temperature is too high.
 - c. Check if the signal source is in the detection field.
 - d. Check if the installation height corresponds to the sensor's detection range.
 - e. Check placement of sensor in relation to movement.
- The sensor can't shut the load automatically:
 - a. Check if there are continual signals in the detection zone.
 - b. Check if the time delay is set to the longest.
 - c. Check if the power corresponds to the instruction.
 - d. Check if there is temperature change near the sensor.

WARNING: DO NOT INSTALL THE SENSOR IN A SPACE CONTROLLING A TOTAL LOAD THAT IS HIGHER THAN THE RATING OF THE DEVICE. EACH SENSOR WILL NEED TO SWITCH THE ENTIRE LOAD EVEN IF ADDITIONAL SENSORS ARE INSTALLED. RISK OF OVERLOAD, PRODUCT DAMAGE, SMOKE AND/OR FIRE MAY RESULT.