2.09in [53.1mm]
1.91in [48.4mm]
1.43in [36.4mm]
R2.25in [57.3mm]
3.74in [95mm]
Ø3.54in [90mm]
2.73in [69.3mm]
2.92in [74.3mm]
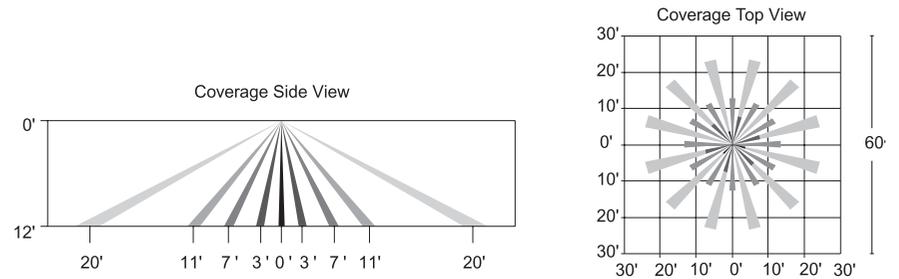
SPECIFICATIONS

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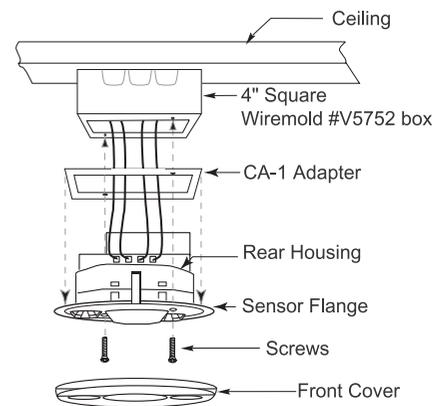
NOTE: Factory Default Setting: 100% sensitivity, Hold on time: 10seconds, daylight sensor is disable.
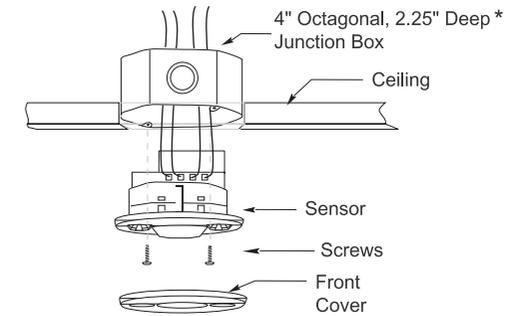
SENSOR INFORMATION

Coverage Side View

0'
12'
20' 11' 7' 3' 0 3' 7' 11' 20'

Coverage Top View

30' 20' 10' 0' 10' 20' 30'
60'

CEILING MOUNTING

Using a 4-Inch Square Junction Box

Ceiling
4" Square Wiremold #V5752 box
CA-1 Adapter
Rear Housing
Sensor Flange
Screws
Front Cover

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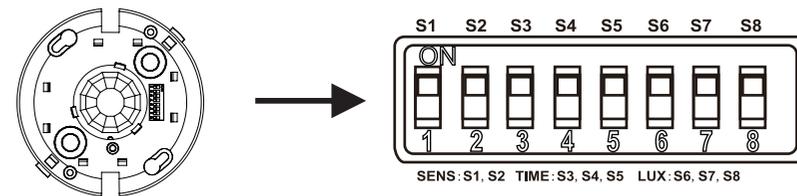
Using an Octagonal Junction Box

＊ The Junction Box must be at least 2.25" deep. If it is not, an extension ring is required.

4" Octagonal, 2.25" Deep ＊ Junction Box
Ceiling
Sensor
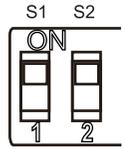Screws
Front Cover

Mounting to an Octagonal Junction Box

PARAMETER SETTING

Shown as chart below : By setting the S1, S2 to set the detection range of products,by setting S3,S4,S5 to set the delay time of products, by setting the S6, S7, S8 to set the light-control of products.

S1 S2 S3 S4 S5 S6 S7 S8
ON
1 2 3 4 5 6 7 8
SENS:S1, S2   TIME:S3, S4, S5   LUX:S6, S7, S8

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:
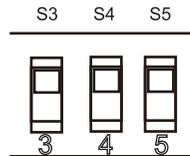
S1 S2

ON

1 2

SENS : S1, S2

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:
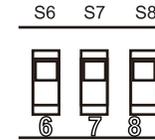
S3   S4   S5

3   4   5

TIME : S3, S4, S5

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:
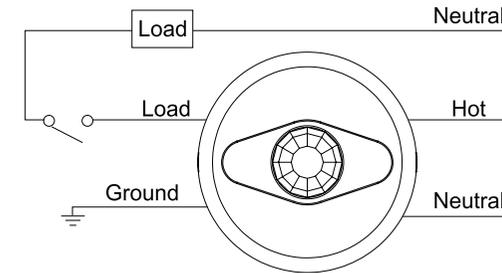
S6   S7   S8

6   7   8

LUX : S6, S7, S8

Feature	Switch#		
LUX	6	7	8
Disable	↓	↓	↓ ◄
10LUX	↓	↓	↑
20LUX	↓	↑	↓
50LUX	↓	↑	↑
100LUX	↑	↓	↓
200LUX	↑	↓	↑
300LUX	↑	↑	↓
500LUX	↑	↑	↑

◄ = Factory Setting
↑ = ON
↓ = OFF

Manual and automatic mode

Manual Mode: Press and hold the button next to the lens for 6 seconds until the red light is solid, then press briefly to control the lights.
AUTO Mode: Press and hold the button for 6 seconds until the red light blinks to switch back to automatic mode.

WIRING DIAGRAMS

Load

Neutral

Load

Hot

Ground

Neutral

SOME PROBLEMS AND SOLUTIONS

The load doesn't work:

a. Verify that the power supply and load specifications are correct.
b. Test if the connected fixture operates with a regular switch.
c. Observe if the indicator light speeds up after detecting motion.
d. Ensure the sensor's light sensitivity is appropriate for the ambient light conditions.

The sensitivity is poor:

a. Check if there's any obstruction in front of the detection lens that could block the signals.
b. Ensure the ambient temperature isn't too high.
c. Confirm the motion source is within the detection range.
d. Verify the installation height matches the recommended height in the manual.
e. Ensure the sensor is positioned optimally to detect movement in its coverage area.

The sensor doesn't automatically turn off the load:

a. Verify that there is no movement or activity within the detection zone.
b. Ensure the time delay setting isn't at the maximum.
c. Verify that the power supply follows the instructions.
d. Check for temperature changes near the sensor that could affect detection.

⚠ **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. ⚠

⚠ **WARNING:** TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE INSTALLING SENSORS. ⚠

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