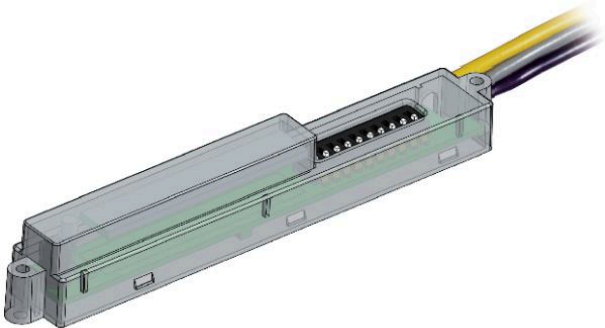


Microwave Dimming Sensor

SKU: AA-SENMW-ANT3A <100W



Description

The Microwave Dimming Sensor is a moving object sensor that can detect a range of 360° with a working frequency of 5.8GHz. The sensor offers 3 levels of light control.



Features

ANT-3A is a moving object sensor that can detect range of 360° and its working frequency is 5.8GHz. The advantage of this product is stable working state stable working temperature: -40°C~+70°C), ANT-3A adopts a microwave sensor (high-frequency output <0.2mW), so that it is safe and performs better than infared sensor.

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.

WARNING: Warm Up time is 15 seconds. After the sensor connects input power for the first time, the light will keep on for 15 seconds, then go to dimming to work normally.

Factory Default setting: 100% sensitivity, Hold on time: 10 seconds, Daylight sensor is 30lux, Dimming level 30%, Dimming time: 60 minutes. Any setting changed by DIP Switch or remote control, the LED light that sensor connect will on/off as confirm.

Applications

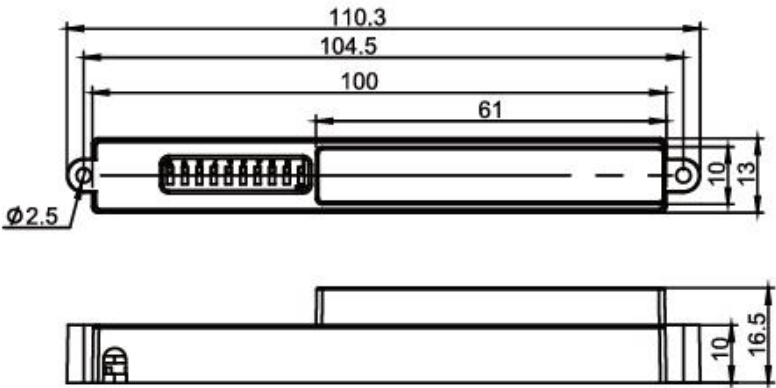
- Shopping Malls
- Warehouses & Distribution Centers
- Parking Garages
- Assembly Areas

Ordering Information



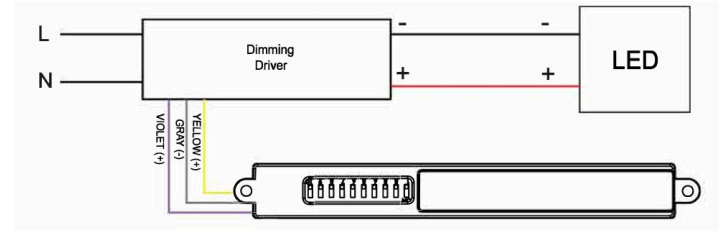
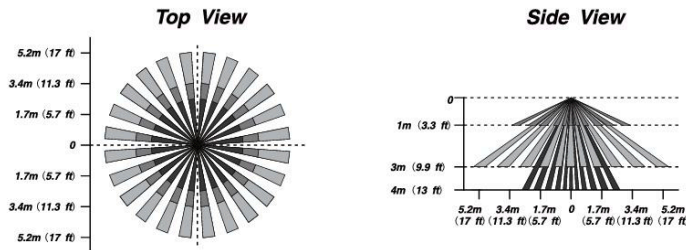
SKU	Model	Description	Input Voltage	HF System	Dim Control Output	Detection Radius/Angle	Mounting Height	Remote Range	Humidity	Temperature
AA-SENMW-ANT3A	ANT-3A	Microwave Dimming Sensor	12-24V DC, >50mA	5.8GHz ±75MHz	0-10V, max. 25mA sinking current	Max 17ft. (5.2m)/360°	Max 13ft (4m)	50ft. (15m) indoor, no backlight	Max. 95% RH	-40°F~158°F -40°C~70°C

Dimensions



Detection Coverage

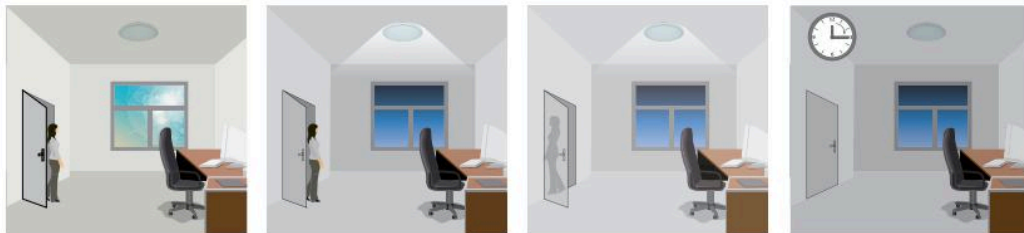
Wiring Diagram



Sensor Functions

Corridor Function

Offers 3 levels of light control: 100% dimming light (0, 10%, 30%, 50%) off; Periods of selectable waiting time: motion hold-time and 24 hours, selectable daylight threshold, and freedom of detection area. If natural light is lower than the light-control setting (10lux, 30lux, 50lux), the light will not turn automatically on (0, 10%, 30%, 50%). When a person enters the room, the light will turn on 100%, after the person leaves, the room enters stand by level after hold-time.



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

With insufficient natural light, the sensor switches on the light automatically when presence is detected. The lamp never switches off while someone is in the room, even if the natural light is insufficient.

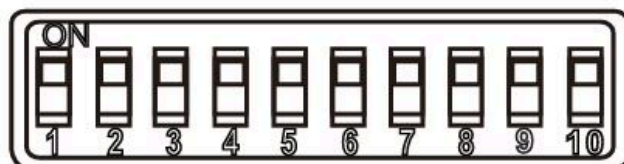
After the person has left, the light still dims to 0, 10%, 30%, 50% (options) stand by level after the hold time.

Light switches off automatically after the dimming time elapses.

Note: If you choose STAND-BY DIM is 0, the stand-by period is 0, it is ON/OFF function.

Dip Switch Parameters

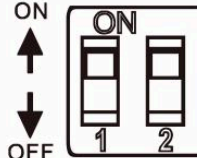
- 1 & 2: Set Sensitivity
- 3 & 4: Set Hold time
- 5 & 6: Set Lux
- 8: Stand-by Light level
- 9 & 10: Set Stand-by Time



Detection Range Sensitivity Setting

Detection Range can be reduced by selecting the combination on the DIP switches to fit precisely for each application.

ON
↑
OFF
↓



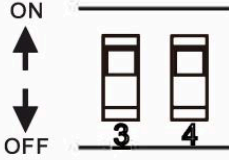
SENSITIVITY: 1, 2

SENSITIVITY		
1	2	
↓	↓	20%
↓	↑	50%
↑	↓	75%
↑	↑	100%

Hold Time Setting

The lamp can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapse will restart the timer. It is recommended to select the shortest Switch location an hold time of the corresponding table is as follows.

ON
↑
OFF
↓



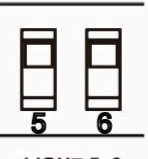
TIME: 3, 4

TIME		
3	4	
↓	↓	10S
↓	↑	1Min
↑	↓	5Min
↑	↑	15Min

Light Control Setting

The chosen lamp response threshold can be infinitely from approx. 10-50lux, switch location and light-control of the corresponding table is as follows:

ON
↑
OFF
↓



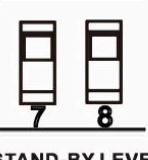
LIGHT: 5, 6

LIGHT		
5	6	
↓	↓	☀ (light sensor disable)
↓	↑	10Lux
↑	↓	30Lux
↑	↑	50Lux

Stand-By Light Level Setting

The corresponding file of switch location and stand-by level as follows:

ON
↑
OFF
↓



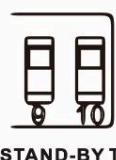
STAND-BY LEVEL: 7, 8

STAND-BY LEVEL		
7	8	
↓	↓	0%
↓	↑	10%
↑	↓	30%
↑	↑	50%

Stand-By Time Setting

The corresponding file of switch location and stand-by level as follows:

ON
↑
OFF
↓



STAND-BY TIME: 9, 10

STAND-BY TIME		
9	10	
↓	↓	+∞
↓	↑	1Min
↑	↓	30Min
↑	↑	60Min