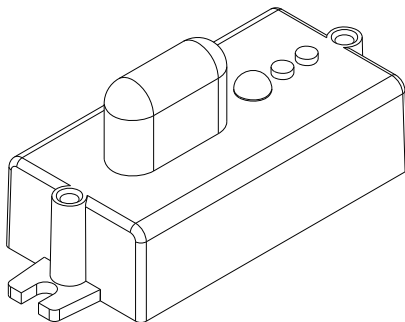


# Microwave Motion Sensor

## User Guide



### Notes for Attention

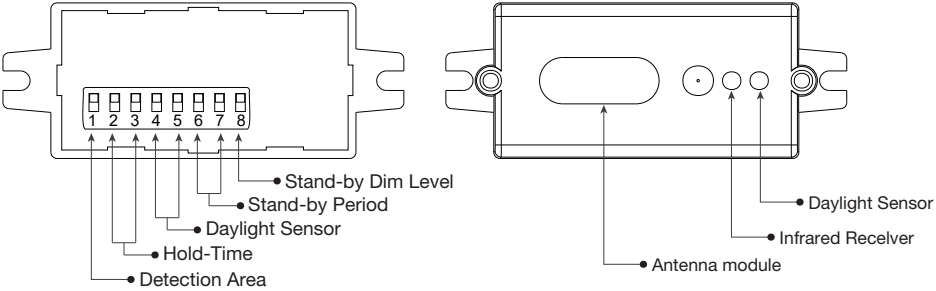
#### 1. Initialization

After power on, the sensor automatically turns on light at 100% brightness. After 10sec, it turns low brightness. During the initialization, the sensor is not able to detect movement.

#### 2. Application Notice

- (1) The sensor should be installed by a professional electrician. Please turn off the power before installing, wiring or changing parameters.
- (2) Microwaves cannot penetrate metal. Do not place the product in a closed metal lamp or a half-closed metal lamp and metal or glass are not allowed to cover above the product. If antenna needs to pass through the metal plate, please ensure that the top of the sensor is close to the metal plate.
- (3) The distance between any inductive sensors should be greater than 2 meters. Keep sensor away from switches, routers and other wireless devices to avoid radio interference, more than 1.5 meters. The antenna surface of the microwave module should not be directly facing input AC and output DC to avoid low or high frequency signals affect the normal operation of microwave sensor's antenna.
- (4) Vibration signals will be regarded as moving signals to trigger the sensor. Avoid using objects that vibrate for a long time around the sensor, such as large metal equipment, pipes, air conditioning outlets, exhaust vents, smoke exhaust machine ports, shaking fans, etc. Pets in detecting area may trigger sensing.
- (5) Sensor is for indoor use only. The waterproof effect for outdoor use will be affected. Wind, rain, and moving objects around will cause false triggering. When the sensor is installed in a metal lamp, metal reflective surface, or a narrow enclosed environment, the microwave will be reflected repeatedly and cause false triggering. Please reduce the sensitivity or contact the manufacturer for technical support.
- (6) This Sensor is suitable for ceiling mounting. If wall mounting, the microwave detection distance will be greatly increases, which may lead to the phenomenon that the microwave passes through the wall or does not turn off the lamp. Please adjust the sensitivity by 50%. If 50% cannot be used, please avoid wall installation or contact the manufacturer to provide technical support.
- (7) This product have to use with voltage-stabilized DC power supply whose input voltage is stable and ripple factor is low(ripple factor is lower than 100mV; load current is greater than 25mA).

# Structure



## Function Settings

### 1. Detection Area:

	1	
I	ON	100%
II	-	50%

### 2. Hold-Time:

	2	3	
I	ON	ON	5s
II	ON	-	5min
III	-	ON	10min
IV	-	-	30min

### 3. Daylight Sensor:

	4	5	Daylight Sensor	ON/OFF
I	ON	ON	30Lux	150Lux
II	ON	-	50Lux	150Lux
III	-	ON	100lux	200lux
IV	-	-	Disable	Disable

### 4. Stand-by Period:

	6	7	
I	ON	ON	0s
II	ON	-	3min
III	-	ON	10min
IV	-	-	+∞

Note:  
(Be daylight priority  
when setting to "+∞")

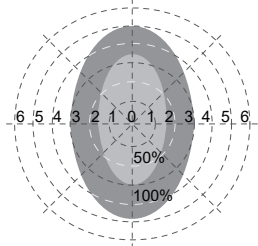
### 5. Stand-by Dim Level

	8	
I	ON	30%
II	-	10%

## Radiation Pattern

### Detecting Radius: $\geq 2.5m$

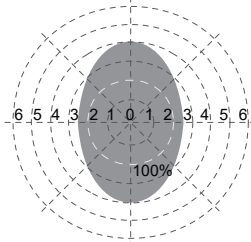
Mounted height: 3m  
Sensitivity Area: 100%/50%



Normal moving (Speed: 1m/s)

### Detecting Radius: $\geq 2m$

Mounted height: 6m  
Sensitivity Area: 100%



Normal moving (Speed: 1m/s)