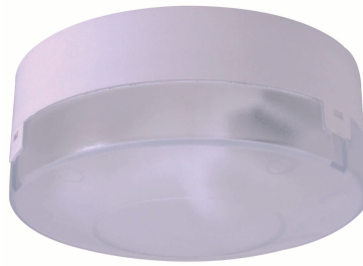
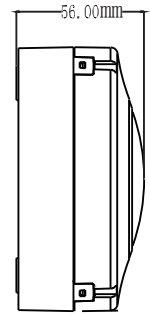
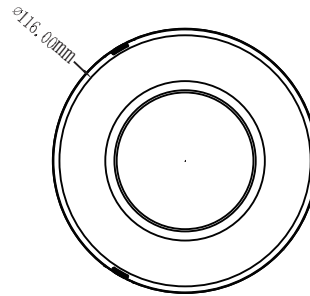




(Translucence)



(Transparent)



## Specifications

Power source: 90-240V/AC

Power frequency: 50/60Hz

Transmission power: <0.2mW

Rated load:

1200W/5A, Max, tungsten (cosφ=1) (220-240V/AC)

300W/2.5A, Max, fluorescent (cosφ=0.5) (220-240V/AC)

600W/5A, Max, tungsten (cosφ=1) (100-130V/AC)

150W/2.5A, Max, fluorescent (cosφ=0.5) (100-130V/AC)

Installation sit: ceiling mounting

HF system: 5.8GHz CW electric wave, ISM band

Working temperature: -15°C~+70°C

Detection angle: 360°

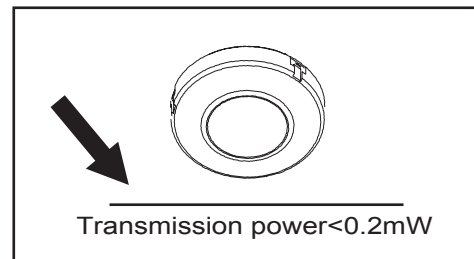
Detection range: 2m-5m-8m-10m (radii.), adjustable

Time setting: 6sec-1min-3min-5min-10min-15min, adjustable

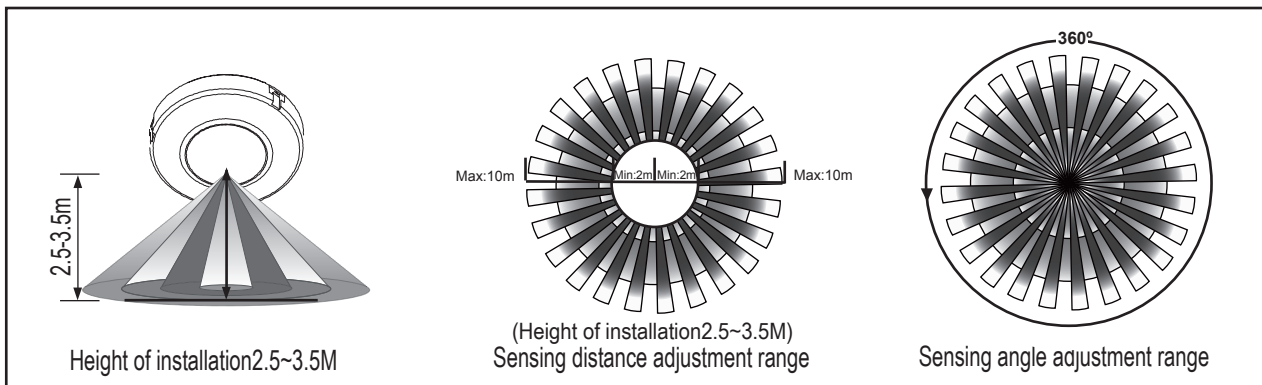
Light-control: <10LUX-100LUX-300LUX-2000LUX, adjustable

Power consumption: approx.0.5W

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



## Sensor information



## Utilizing field and introduction

PD-MV1007A is a moving object sensor that can detect range of 360° and it's working frequency is 5.8G. The advantage of this product is stable working state (stable working temperature: -15°C~+70°C), PD-MV1007A adopts a microwave sensor (high-frequency output <0.2mW), so that it is safe and performs better than infrared sensor.

**Installation**

1. Through the buckle under cover(see fig.1)(fig2)
2. Hold base against the Ceiling and mark drill holes, paying attention to any existing wiring in the Ceiling;
3. Drill the holes, insert wall plugs (6mm dia.);(see fig.4);

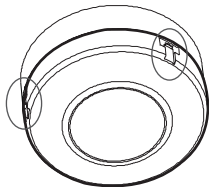
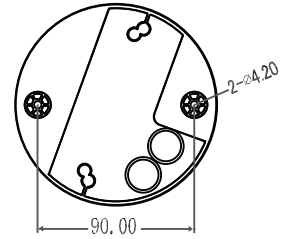


fig.1

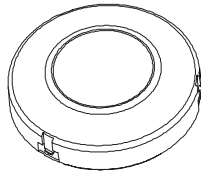


fig.2

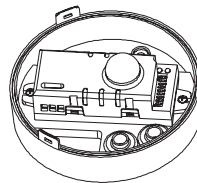


fig.3

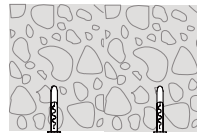
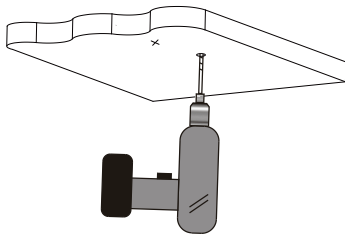


fig.4

**Warning!**

When you are drilling ,please make sure you wear glasses and dust masks to prevent the dust fly into the nose and throat causing unnecessary trouble.

4. Put the power wire and load wire through the base holes ( see fig.5 ) ;
5. Cover cover into buckle ( see fig.6 ) ;

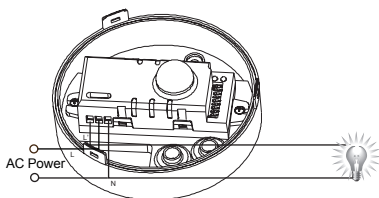
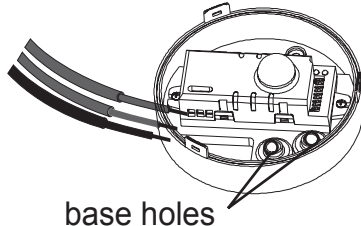


fig.5



base holes

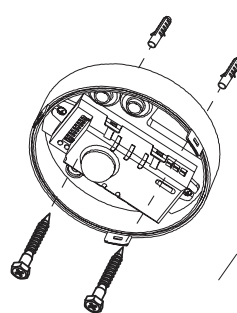
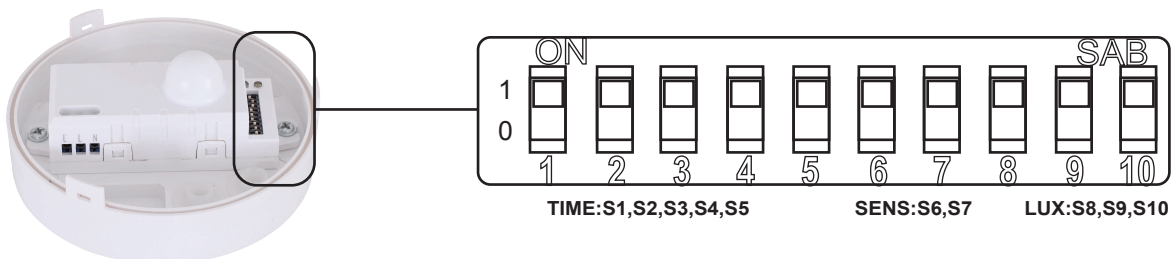


fig.6

**Parameter setting**

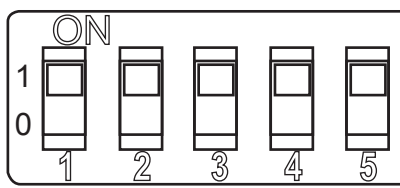
Shown as chart below:By setting the S1, S2 ,S3 ,S4,S5 to set the delay time of products,by setting S6,S7 to set the detection range of products, by setting the S8,S9,S10 to set the light-control of products.



If you want PD-MV1007A to detect small zone, you can just adjust the sense sliding controller SENS to the range that you need (You may need to adjust some times until you think it is suitable). If you want that the light can be turned on when the circumstance luminance is under some value, you can just adjust the sliding controller LUX (The working luminance sliding controller) to select the luminance value (You may need to adjust some times until you think it is suitable).

**Time setting**

The light can be set to stay ON for any period of time between approx. 6sec and a maximum of 15min. 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 "1", pull switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:



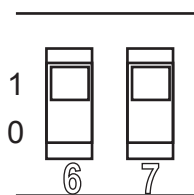
**TIME:S1,S2,S3,S4,S5**

S1	S2	S3	S4	S5	Time setting
0	0	0	0	0	15min
1	0	0	0	0	10min
0	1	0	0	0	5min
0	0	1	0	0	3min
0	0	0	1	0	1min
0	0	0	0	1	6sec

It is mainly for the adjustment of the delay time from the moment the signal detected and light auto-on till the light auto-off. You can define the delay time to your practical need. But you'd better lower the delay time for the sake of energy saving, since the microwave sensor has the function of continuous sensing, that is, any movement detected before the delay time elapses will re-start the timer and the light will keep on only if there is human in the detection range.

**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 "1", pull switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:



**SENS:S6,S7**

S6	S7	Detection range
1	1	10m
1	0	8m
0	1	5m
0	0	2m

**ATTENTION:**When use this product, please adjust the sensitivity to an appropriate position you need, please do not adjust the sensitivity to maximum, to avoid the product does not work normally caused by wrong motion. Because the sensitivity is too high easily detect the wrong motion by wind blowing leaves & curtains, small animals, and the wrong motion by interference of power grid & electrical equipment. All those lead the product does not work normally !

When the product does not work normally, please try to lower the sensitivity appropriately, and then test it.

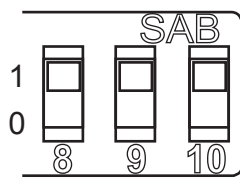
Solutions of prevent the power network pulse interference the products:

Due to the difference of regional interference power network, the pulse of interference is uncertain,so the user are not suggested to adjust the sensitive to the maxium when using.

Suggestion:Please install and adjust the sensitive in the appropriate distance using,do not set the maxium sensitivity to prevent misoperation.

### Light-control setting

The chosen light response threshold can be infinitely from approx. 10-2000lux, pull switch to the ON position as "1", pull switch to the OFF position as "0", switch location and detection range of the corresponding table is as follows:



LUX:S8,S9,S10

S8	S9	S10	Light-control
0	0	1	2000LUX
0	1	0	300LUX
1	0	0	100LUX
0	0	0	<10LUX



### **Warning!** The following situation will lead to misoperation

1. Being installed in the rocking object will lead to misoperation.
2. The shaking curtain which is blown by wind will lead to misoperation, please select the suitable installed place.
3. Being installed in the place where the traffic is busy will lead to misoperation.
4. It will lead to misoperation when there are sparks produced by some equipment nearby.

### Troubleshooting

Malfunction	Cause	Remedy
The load will not work	• wrong light-control setting selected	• Adjust setting
	• load faulty	• Change load
	• mains switch OFF	• Switch ON
The load work always	• continuous movement in the detection zone	• Check zone setting
The load work without any identifiable movement	• the sensor not mounted for detecting movement reliably	• Securely mount enclosure
	• movement occurred, but not identified by the sensor(movement behind wall, movement of a small object in immediate lamp vicinity etc.)	• Check zone setting
The load will not work despite movement	• rapid movements are being suppressed to minimize malfunctioning or the detection zone you have set is too small	• Check zone setting

 **Warning!**

The detection distance may multiply for the reflection on microwave electromagnetic field by the metal or glass materials. Thus, lower the sensitivity to reach the appropriate detection distance. Never turn the SENS knob to the maximum value to avoid error detection. Also the surrounding environment will lead to error action, e.g. the automobiles passing by or the wandering objects caused by the wind. Products should be installed more than 4 meters one from the other, otherwise the interference among them will cause error action.

- Please confirm with professional installation.
- Please cut off power supply before installation and removal operations.
- Make sure that you have cut off the power for safety purposes.
- Improper operation caused losses, the manufacturer does not undertake any responsibility.

We are committed to promoting the product quality and reliability, however, all the electronic components have certain probabilities to become ineffective, which will cause some troubles. When designing, we have paid attention to redundant designs and adopted safety quota to avoid any troubles.

This instruction, without our permission, should not be copied for any other purposes.

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