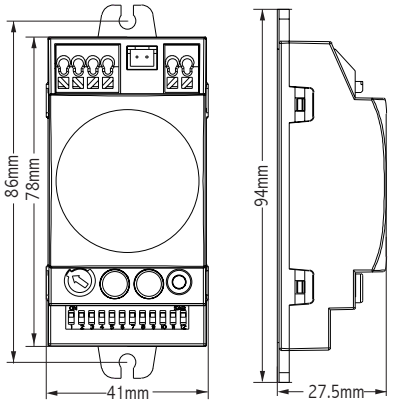
Microwave Sensor LX-MV-PD2 instruction

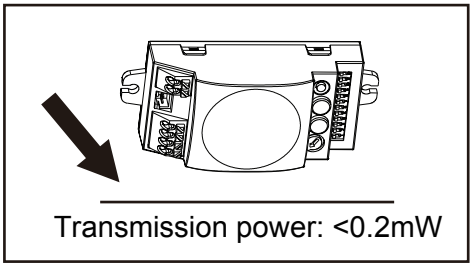


SPECIFICATIONS

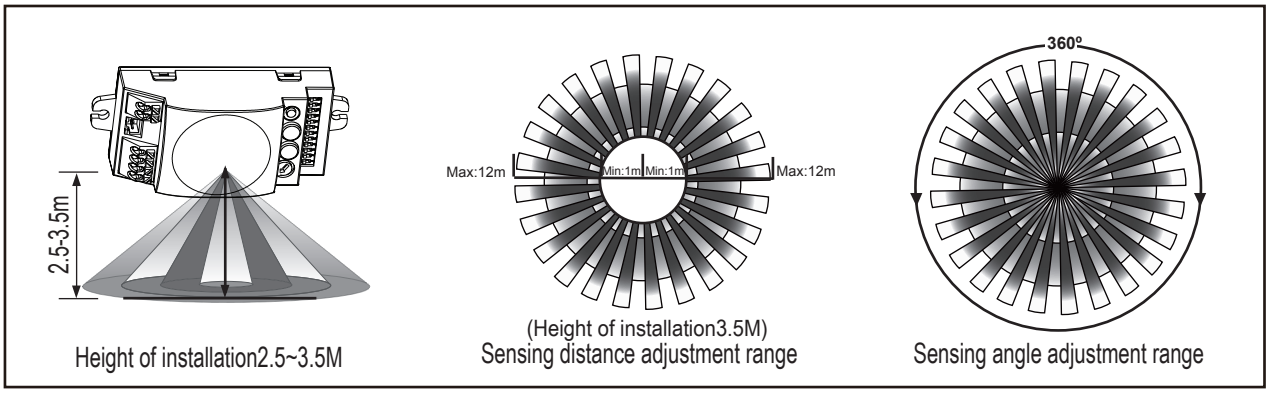
Power source:90-240V/AC
Power frequency: 50/60Hz
Rated load:200W Max. (220VAC Fluorescent)
HF system: 5.8GHz CW radar，ISM band
Installation sit: Ceiling mounting,Wall installation
Transmission power: <0.2mW
Detection range:
1m/2m/3m/4m/5m/7m/9m/12m(radii.)
Light-control: 15-330LUX

Detection angle: 360°(Ceiling installation)
180°(wall installation)
Time setting: delay time:10sec/20sec/30sec/50sec/
90sec /150sec/210sec/300sec
half bright state(standby time):
0.5min/1min/3min/5min/
10min/20min/40min/60min
Standby power: Approx. 0.5W

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.



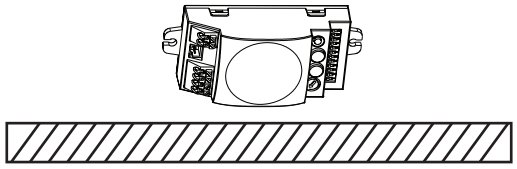
INDUCTION RANGE



It can be installed inside of product that is made of glass and plastic because that these materials make little effect to microwave. Connect the product as shows below; you can change a common light to an automatic light.

Warning!

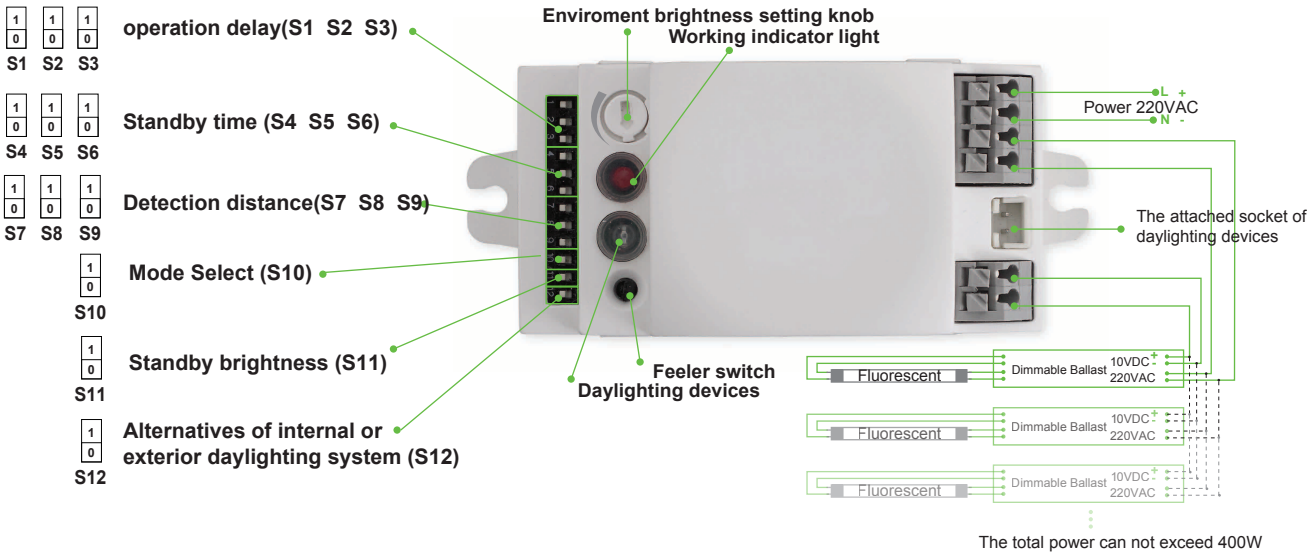
The product can not work normally if there is metal material behind the Installed place.



when the sensor is installed inside the ceiling floor, the sensitivity to light will be invalid.

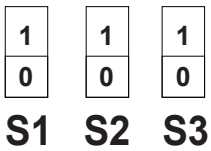
This product will be faithfully waiting for you. It will turn on the light automatically when you pass by, and turn off the light automatically when you leave off. You can set the closing delay time to meet your needs. For example, you may adjust the TIME sliding controller to select the delay time 12sec~30min when you think you will come back in 10mins. The TIME sliding controller is as follow (Keep away from the detecting zone after adjusting the testing time or that the detecting time will be inaccurate when any moving object is detected again by the product).

PARAMETER SETTING



Operation delay(S1 S2 S3)

The specific time is 10 – 300sec adjustable, (10\12\14\18\20\25\30\35\40\50\ 70\100\150\200\250\300sec)16 files in all

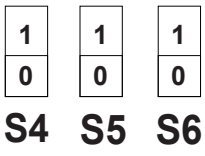


S1 S2 S3

S1	S2	S3	TIME
0	0	0	10sec
0	0	1	20sec
0	1	0	30sec
0	1	1	50sec
1	0	0	90sec
1	0	1	150sec
1	1	0	210sec
1	1	1	300sec

Standby time (S4 S5 S6)

The specific time is 5 – 60minutes adjustable, (5\7\9\12\16\30\45\60min)8 files in all

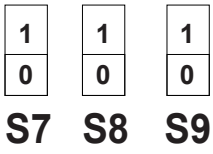


S4 S5 S6

S4	S5	S6	STANDBY TIME
0	0	0	0.5min
0	0	1	1min
0	1	0	3min
0	1	1	5min
1	0	0	10min
1	0	1	20min
1	1	0	40min
1	1	1	60min

Detection distance(S7 S8 S9)

0 – 12 meters adjustable (1\2\3\4\5\7\9\12M)8 files in all

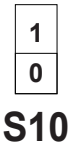


S7 S8 S9

S7	S8	S9	DETECTION RANGE
0	0	0	1M
0	0	1	2M
0	1	0	3M
0	1	1	4M
1	0	0	5M
1	0	1	7M
1	1	0	9M
1	1	1	12M

Mode Select (S10)

Select between normal mode and test mode

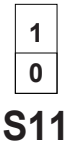


S10

S10	MODE SELECT
0	normal
1	test

Standby brightness (S11)

Lamp brightness10% or 15%

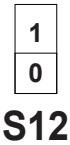


S11

S12	STANDBY BRIGHTNESS
0	10%
1	15%

Alternatives of internal or exterior daylighting system (S12)

Set OFF file, adopting internal daylighting system, set ON file, adopting exterior daylighting sysytem



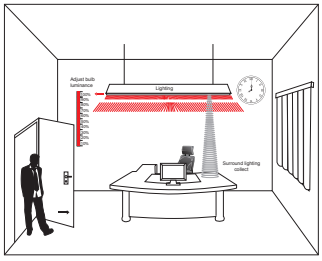
S12

S12	LIGHTING COLLECT
0	internal
1	external

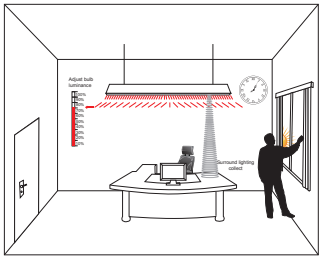
Enviroment brightness setting knob

According to the ambient brightness regulating potentiometer, the light source of luminance changes between 10% to 100%. With the clockwise, the luminance increases, while anti-clockwise, decreases. It can set the ambient brightness.

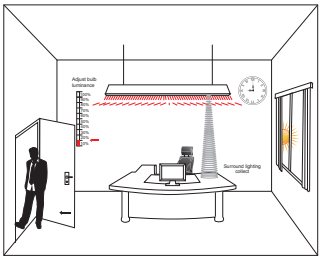
For instance: one day in office. ambient brightness is set for 300LUX.



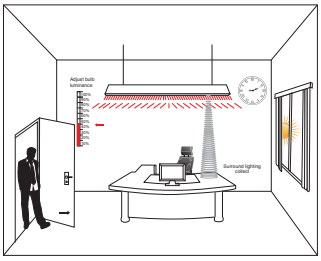
8:00AM,Bob to office,lamp on100%, surround lighting300lux.



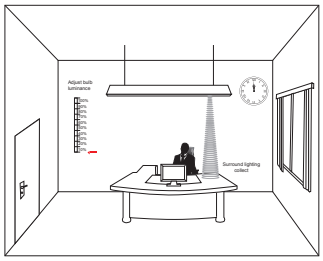
8:05AM,Curtain opened,natural light gets in, lamp on 70%,surround lighting300lux.



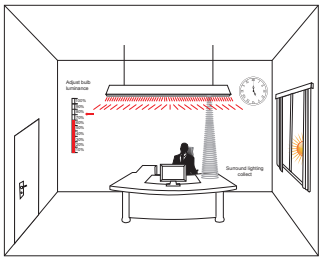
9:00AM,Bob out for coffee,lamp on 10% during the short absence.



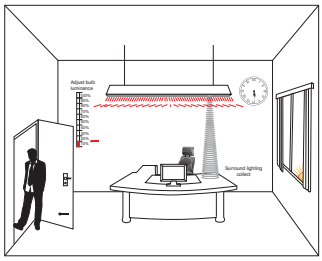
9:15AM,Bob returns,lamp on 40%(daylight is getting stronger),surround lighting300lux.



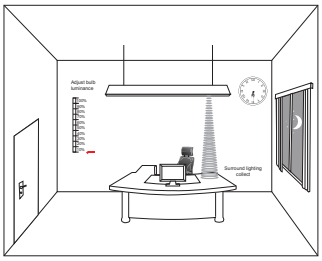
12:00AM,External light reaches300lux, system shuts down.



5:00PM,External light below300lux, system re-activated,lamp on 60%.



6:00PM,Bob leaves office,system in stand-by mode, lamp on 10%.



6:30PM,Stand-by time out, system shuts down.

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.

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.

The proper use of trimming potentiometer: the trimming potentiometer is used to adjust the time that sensor light turn on when detects somebody movement and turn off automatically. The user can adjust the light time according to different needs. In order to carry out the saving-energy effectively,we suggest that we should decrease the close time automatically.In addition, due to the continuous sensor function of the microwave sensor lamp,simply speaking:Timer will time renewedly so as sensor lamp has any induction. Lamp will keep open once detected movement within the detection range .

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.