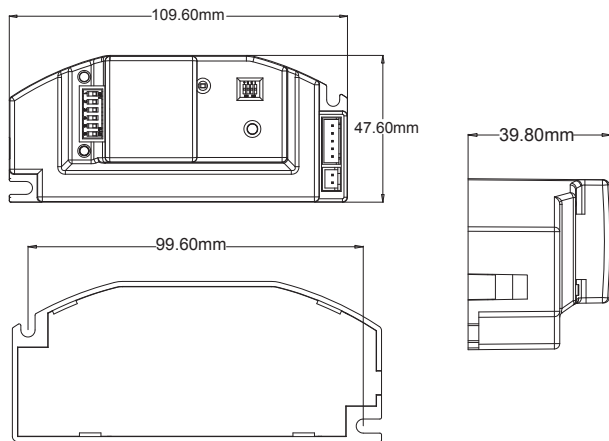


Microwave Sensor +Zigbee+LED Driver PD-MVUC05Z Instruction



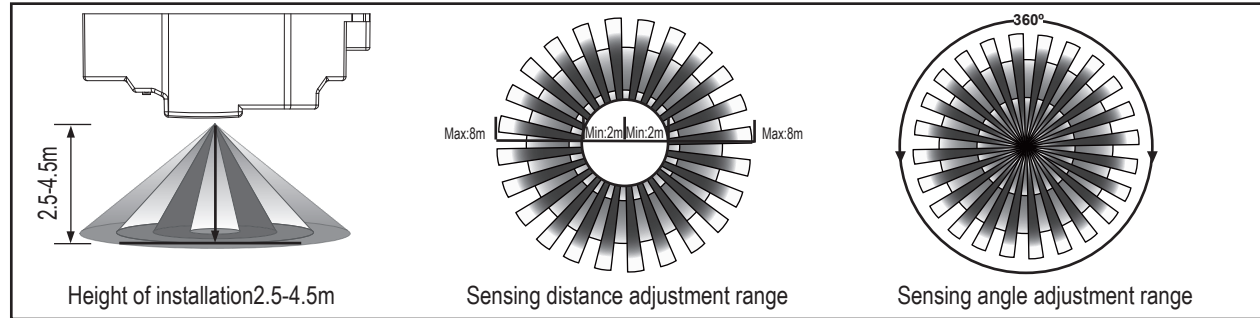
Product size



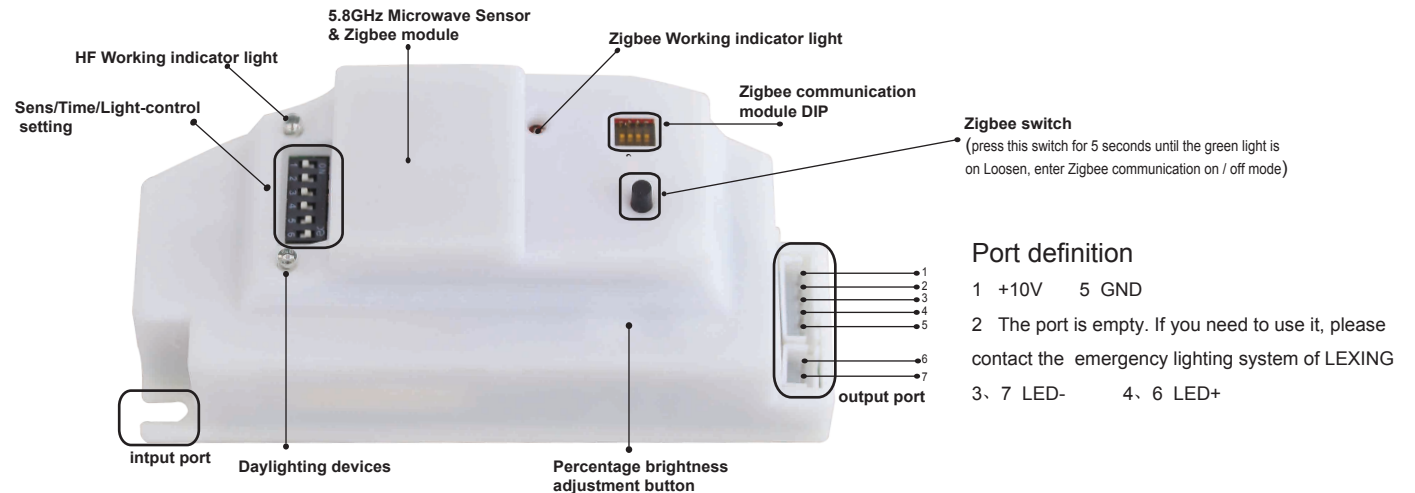
Features

- 1.Non-radiation harm: its transmitter power is lower than 0.2mW, which does no harm to human body.**
- 2.Strong anti-interference ability, can work in the temperature range of -15℃ -+70℃.**
- 3.The frequency is constant and the frequency drift will not occur in the frequency range.**
- 4.Multifunctional control switch: Microwave Sensor & Zigbee & LED Drive Multi-function.**
- 5.Slow light and slow down function.**
- 6. Brightness Percentage function.**

Sensor information



Name of each part



Port definition

- 1 +10V 5 GND
- 2 The port is empty. If you need to use it, please contact the emergency lighting system of LEXING
- 3、 7 LED- 4、 6 LED+

Percentage brightness adjustment button:

Can be selected via buttons percentage of 0% -30% brightness, the initial brightness percentage of 0% every time you press the brightness increased by 10%, 30% and then press the brightness is reset to 0%, press law cycle.

Brightness Percentage function

It can be defined from 8 seconds to 12minute. Any movement detected before this time elapse will re-startthe timer. It is recommended to select the shortest time for adjusting the detection range and for performing the walktest. When the ambient light is less than 100lux/200lux, the system starts dimming mode. If there is no signal detected during the delay time, it will enter the percentage lighting.Once signal detected, it recovers to 100% lighting. It will auto exit dimming mode, when the ambient light is over 100lux/200lux. The dimming mode works digitally and independently.

Specifications

Input: 220-240VAC 50HZ
Output:38VDC 620mA
PF:>0.9
HF system: 5.8GHz CW electric wave,ISM band
Transmission power: <0.2mW
Detection angle: 360°

Detection range: 2m-4m-6m-8m (radii.) (adjustable)
Time setting: 8sec-1min-5min-12min, (adjustable)
Light-control: 10LUX-50LUX-200LUX- >2000LUX, (adjustable)
Installation sit: indoors, ceiling mounting
Power consumption: approx.0.5W
Working temperature: -15℃~+70℃
Protection level: IP20,Class II

Detection range setting (sensitivity) S1 S2

Detection range is the term used to describe the radii of the roughly circle casting on the ground when installed at the height of 3 m. To set the switch to ON is "1", to OFF is "0". Read through the right shown the corresponding table of the switch position to the detection range.



S1	S2	Detection range
0	0	2m
0	1	4m
1	0	6m
1	1	8m

Notice: when using this product, please adjust the sensitivity (detection range) to an appropriate value but the maximum to avoid the abnormal reaction caused by the easy detection of the wrong motion by the blowing leaves & curtains, small animals or the interference of power grid & electrical equipment. All the above mentioned will lead to the error reaction. When the product does not work normally, please try to lower the sensitivity appropriately, and then test it. Human movement will cause the sensor induction, so when you under the function testing, please leave the induction region and don't make movement to prevent the sensor continuous work.

Time setting S3 S4

It can be defined from 8 seconds to 12minute. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection range and for performing the walk test. To set the switch to ON is "1", to OFF is "0". Read through the right shown the corresponding table of the switch position to the delay time.



S3	S4	Time setting
0	0	8s
0	1	1min
1	0	5min
1	1	12min

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.



S5	S6	Light-control
0	0	10LUX
0	1	50LUX
1	0	200LUX
1	1	2000LUX

Light-control setting S5 S6

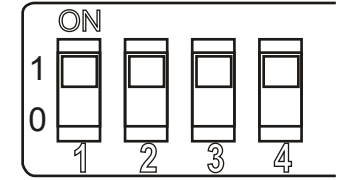
It can be defined in the range of 10->2000 LUX. To set the switch to ON is "1", to OFF is "0". Read through the right shown the corresponding table of the switch position to the light-control value.

ZIGBEE Wireless Networking Control

- (1) Adopting Intelligent lighting system instead the traditional manual type single on and off; Convenient and flexible the arrangement of the intelligent lighting control, satisfy the comfortable and functional demands for customers.
- (2) ZigBee technology's Network has large capacity, can control one and more reihon of lamp, achieve the centralized control of LED lamp or Virtual packet network control.
- (3) On energy saving, provide the perfect solution for the lighting system.

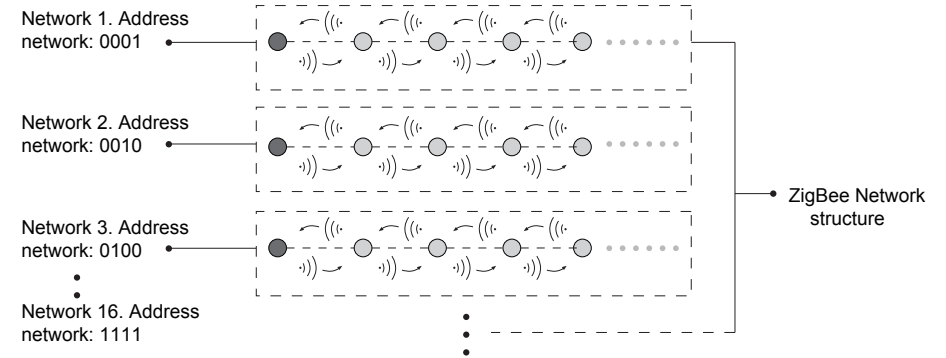
ZIGBEE Network Settings

Adopting 2.4G ZigBee technology, you can divide the network into 16 networks using 16 different address codes, which is convenient for using different address codes in different floors or contiguous installation. For example: The lamps in one floor use one address code (the same code) to be a network, the upside or downside floor can use another to be another network. You can also use one address code for 3 floors or a gallery.



ZIGBEE: S1, S2, S3, S4

With 2.4GHz microwave as a carrier of information transmission, it can be working up to 56 lightings for automatic network control. Normal lighting add this component, you can easily implement wireless networking control, is a preferred component of lighting manufacturers.



Fault	Failure cause	Solution
The load fails to work.	Light-illumination is set incorrectly.	Adjust the setting of the load.
	The load is broken.	Change the load.
	The power is off.	Turn the power on.
The load works all the time.	There is a continuous signal in the region of the detection.	Check the settings of the detection area.
The load works when there is no motion signal detected.	The lamp isn't installed well so that sensor fails to detect reliable signals.	Re-adjust the installation place.
	Moving signal is detected by the sensor (movement behind the wall, the movement of small objects, etc.)	Check the settings of the detection area.
The load fails to work when there is motion signal detected.	The motion speed is too fast or the defined detection area is too small.	Check the settings of the detection area.



Warning! The following situations will lead to error reaction.

1. Being installed on the rocking object will lead to error reaction.
2. The shaking curtain blown by wind will lead to error reaction. Please select the suitable place to install.
3. Being installed where the traffic is busy will lead to error reaction.
4. The sparks produced by some equipment nearby will lead to error reaction.

- Please confirm with professional installation.
- For safety purposes, please cut off power before installation and removal operations.
- Any losses caused by improper operation, the manufacturer does not undertake any responsibility.