

# MSA025S

## LifeBeing sensor™ Breathing Detecting Technology/ON-OFF



- Innovative patent energy-saving switch, control lights ON-OFF automatically. Traditional switch is needless.
- A very slightly movement even human breathing can be collected, never worry a sudden shut-off when light is necessary.
- Interference-free with flying insects, falling leaves, air vent and wireless signal (WiFi, Bluetooth, 4G and 5G).
- Adjustable detecting settings, suitable for various places, such as toilet, kitchen, office, library, corridor etc..



ON/OFF function



Normal motion detecting



Minor motion detecting



Daylight threshold



5 Year Guarantee



Anti-interference



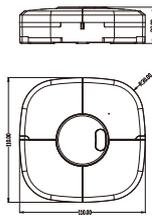
Breathing & heartbeat detecting

# MSA025S

5.8GHz™  
LOW Impedance ANT



CE μ RED 



## Specification

Rated Voltage	120-277VAC 50/60Hz
Stand-by Power	<1.0W
Load Capacity	400W (Inductive/LED) 800W (resistive)
Detecting Technology	Movement / minor motion / breathing
Working Mode	On-off
Operating Frequency	5.8 GHz ±75 MHz, ISM band
Transmitting Power	0.5mW Max.
Hold Time	5S/30S/1Min/3Min/5Min/10Min/20Min/30Min
Detection Area	100%/75%/50%/25%
Daylight Sensor	5-150lux, Disable
Product Size	110x110x32mm
Operating Temperature	-25~50 C
IP Rating	IP20

## LifeBeing sensor --Breathing Detecting Technology/ON-OFF

MSA025S is an innovative and active motion sensor detector with HF system 5.8GHz. Which is built in motion sensor and daylight sensor to control light, motor or other electronic device, to achieve intelligent control and energy-saving.



■ Movement signal active



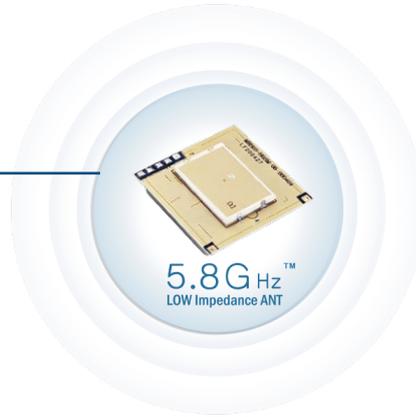
■ Minor motion & Breathing signal maintains



### Breathing test instructions:

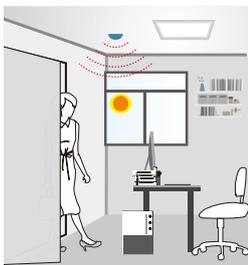
Merrytek's Lifebeing Sensor is based on 5.8GHz microwave motion detection technology. The patented low impedance antenna and exclusive occupancy sensing algorithm are used to detect human existence by detecting the expansion of the chest and abdomen during human respiration. At the same time, the algorithm and microwave detection can effectively avoid the airflow interference from air conditioning and exhaust, which achieves accurately identify the occupancy of human being. No matter in any mode of activity, meeting, reading, writing, rest or static meditation.

## 1. Patent Low Impedance Antenna

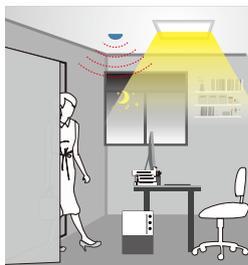


- Patent Low Impedance Antenna  
Comply with the latest RED directive  
Interference-free with flying insects, falling leaves, air vent and wireless signal (WiFi, Bluetooth, 4G and 5G)

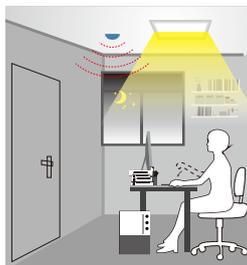
## 2. Function



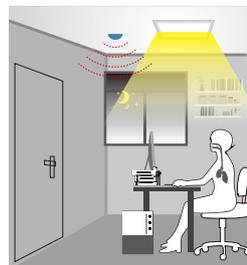
- When the ambient light is sufficient, the light will not turn on even if the moving signal is detected.



- When the ambient light is insufficient, a moving signal is detected and the light will turn on automatically.



- People's normal working life in the body gentle very minor motion maintains the light on.

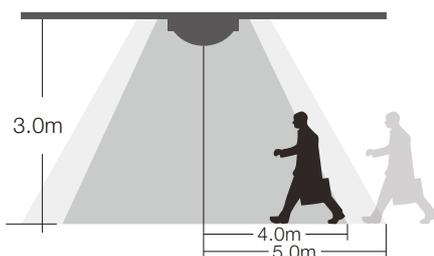


- It keeps the light on even if the person is stationary for a long time, because it is maintained by breathing detection.

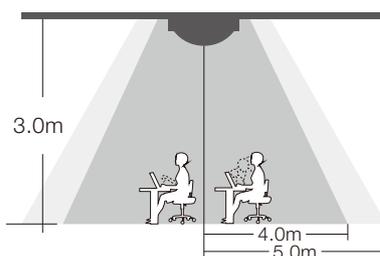


- When people leave, the light will automatically turn off after the hold time.

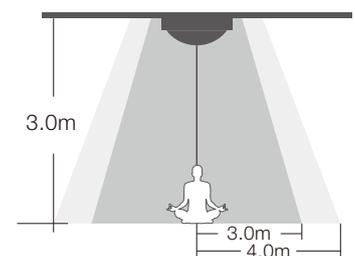
## 3. Detection Pattern



- Movement Detecting  
Speed 0.3m/s

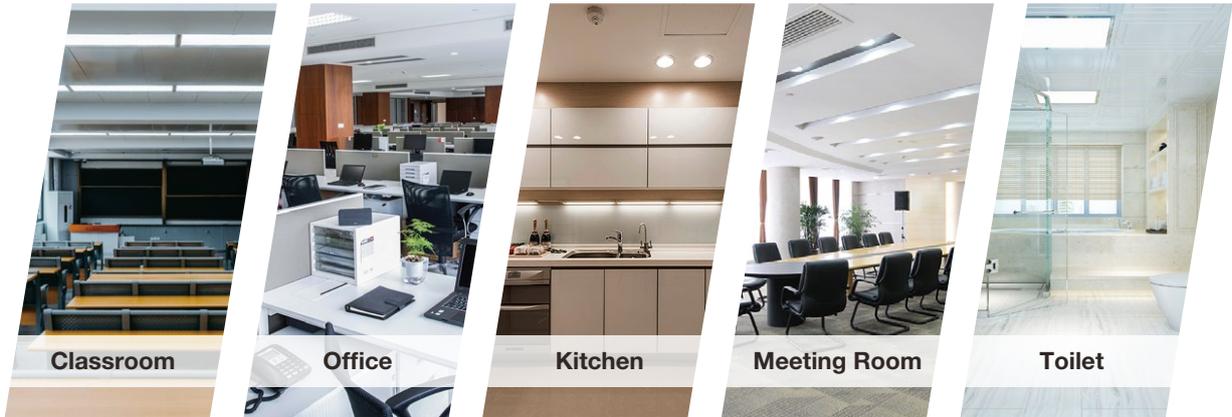


- Minor Motion Detecting



- Breathing Detecting

## 4. Application



## 5. Compatible with a variety of loads



## 6. All settings can be selected via IR Remote

