

Microwave Sensor

Product introduction



SK603 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°~+70°C), SK603 adopts a microwave sensor (high-frequency output<0.2mW), so that it is safe and performs better than infrared sensor.

It can be installed on products that are made of glass and plastic because these materials have little effect on microwave. Connect the product as shown below; you can change a common light to an automatic light.

Technical Specification

Name/Type	Power supply	HF System	Rated load
SK603	220-240VAC	5.8GHz	1000W
Detection Angle	Detection Range	Light-control	Time Setting
360°	1-10M (adjustable)	10-2000LUX (adjustable)	10Sec.- 12 Min. (adjustable)

Product Structure



Parameter settings

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, turn the detection control fully anticlockwise to select minimum detection range (approx. 1m radii), and fully clockwise to select maximum detection range (approx. 10m radii).

Note: the above detection range is gained in the case of a person who is between 1.6m~1.7m tall with middle figure and moves at a speed of 1.0~1.5m/sec. if person's stature, figure and moving speed change, the detection distance will also change.

Time setting



The light can be set to stay ON for any period of time between approx. 10sec(turn fully anticlockwise) and a maximum of 12min(turn fully clockwise). 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.

Note: after the light switches OFF, it takes approx. 4sec before it is able to start detecting movement again. The light will only switch on in response to movement once this period has elapsed.

Light-control setting



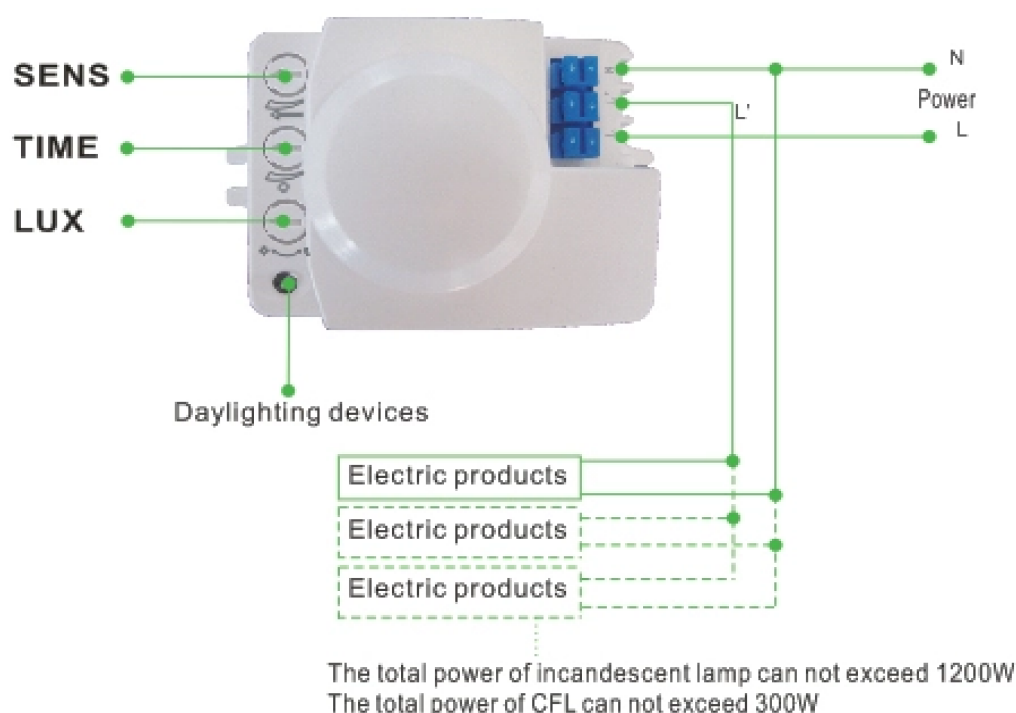
The chosen light response threshold can be infinitely from approx. 10-2000lux. Turn it fully anti-clockwise to select dusk-to-dawn operation at about 10 lux. Turn it fully clockwise to select daylight operation at about 2000lux. The light must be turned fully



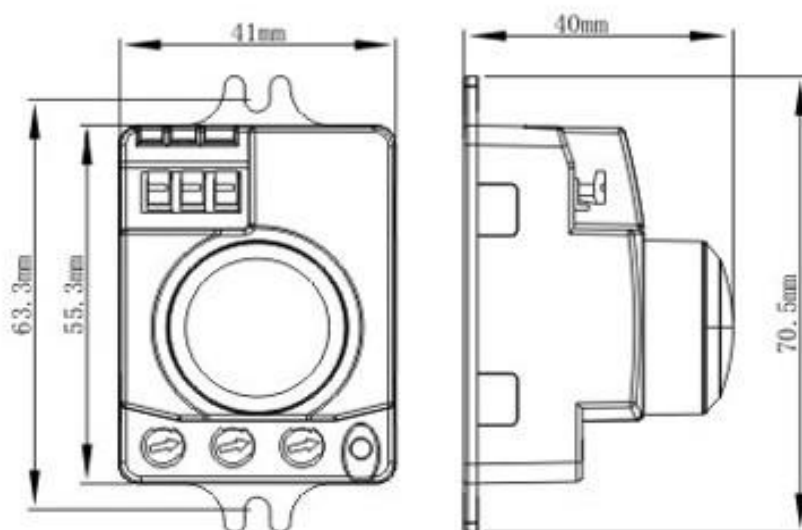
operation at about 2000lux. The knob must be turned fully clockwise when adjusting the detection zone and performing the walk test in daylight.

Note: please don't adjust the three functional buttons to excess. That is because the three functional buttons were connected to the components directly, there is a small stopper in each of the three components, when you adjust the buttons from start to end, the excessive turn will damage the stopper, and lead to the 360° non-stop turn around. The adjust range limit is 270°, please do pay attention to this.

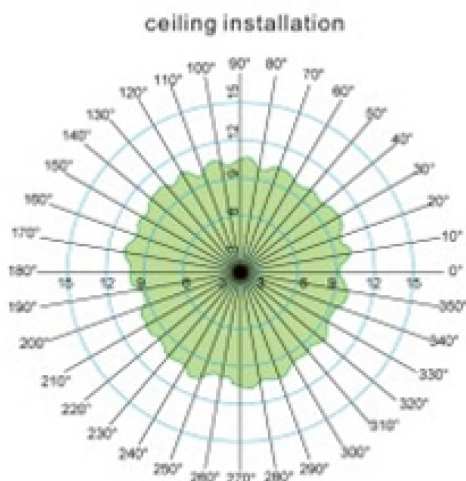
Wiring diagram



Product Size



Detection Area Chart



suggested installation height 2.5-5m

Detection range may change due to different installation height

For occasions

OUTDOOR USE

According to customer needs with selected

IP44



INSTALLED INSIDE ON THE DEVICE WITH NON-METALLIC MATERIALS

EG, Add the sensor, from one normal lighting to automatic sensor lamp.

