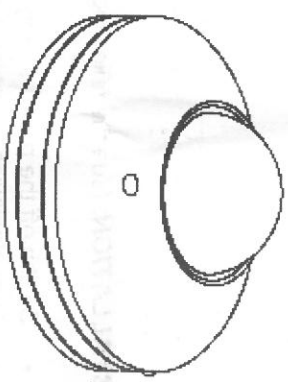


# Instruction

## Welcome to use SA003G PIR SENSOR

The product is the new energy-saving switch adopted integrated circuit and the good sensitivity detector. It incorporates automatic, convenient, energy-saving, safe and practical. It works by human motion infrared rays. It can start the controlled load at once when body enters detection field. It can identify day and night automatically. Its installation is very convenient and using range is wide. It has power and detection indication.

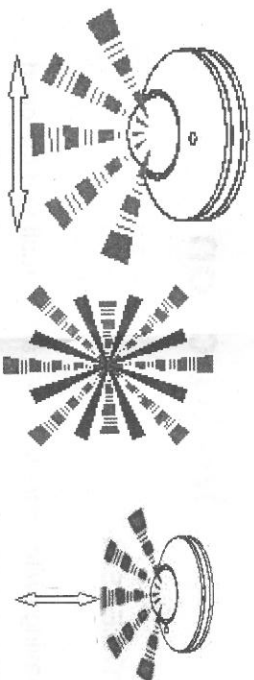


## SPECIFICATIONS:

- Rated voltage: 220-240VAC
- Rated frequency: 50/60Hz
- Light-control: <3lux-daylight
- Time-delay: Min 10sec±5sec Max 6min±2min
- Rated load: 1100W
- Detection distance: 6m max (24℃)
- Detection range: 120° (side view) 360° (top view)
- Working temperature: -20℃~+40℃
- Working humidity: <93%RH
- Installation height: 2.5m ~4.5m
- Power consumption: 0.5W (static 0.1W)
- Detection speed: 0.6 ~1.5m/s

## FUNCTION:

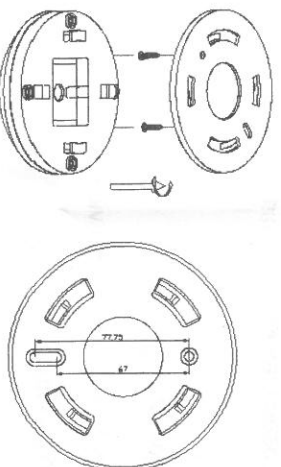
- Identify day and night automatically. It can adjust ambient light according to your desire: when turn to SUN (max), it will work in the daytime and at night. When turn to MOON (min), it will only work under less than 3LUX circumstance. As for Adjustment, please refer to testing way.
- Detection distance can be set according to installation position and detection field.
- The power show and detection show: the indicator lamp will flash one time each 4 seconds after switching on the power, and flash two times per second when receiving the signal. At the same time, it shows the sensor in the normal detection conditions.
- Time-delay is added continually: when it receives the second induction signal after the first inductor, it will compute time once more on the rest of the first time-delay basic. (Set time)
- Time-delay adjustment: it can be set according to your desire. The minimum is 10±5sec; the maximum is 6±2min.
- Locking function: during working, when power is shut off 2 seconds and then on, the sensor will be locked automatically and keep load working continually (for example it will always lighting). And shut off the power for 4 seconds and then on, sensor will resume automation.



Correct the moving orientation-----Incorrect the moving orientation

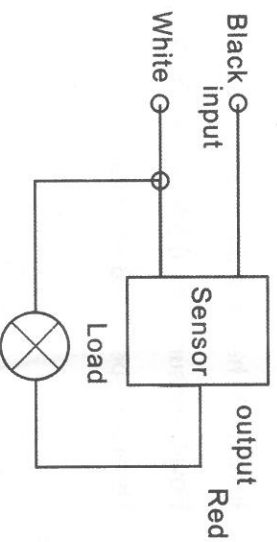
**INSTALLATION:** (see the following figure)

- Switch off the power supply.
- Turn clockwise the bottom-stand and take off it. The power cord is crossed from the hole in the middle of bottom-stand.
- The bottom-stand is fixed on the selected position with inflated screw.
- The power supply and the load are connected with the terminal block of the sensor according to connection-wire diagram.
- The sensor aimed at the mouth of bottom-stand and turned anti-clockwise.



### CONNECTION-WIRE DIAGRAM

(see the right figure) white : -, black : +



- Turn PHOTO knob clockwise to the maximum (SUN). Turn time knob anti-clockwise to the minimum.
- At the time of your switching on the power, the load doesn't work and the show lamp flashes once every second. After 5-10 sec, the load works and the indicator lamp flashes twice every second. Under the no induction conditions, the load should stop working within 5-30 sec, and the indicator lamp should get back to flash twice every 4 sec;
- If make it sense again 5-10 seconds later after it goes out, load should work and the flashing speed is two times per second, then load will stop working within 5-15 seconds.
- Turns PHOTO knob anti-clockwise to the minimum. If it is tested under the circumstance below 3LUX, load should not work after induction load stop working; but if you cover the detection window with opaque objects (towel etc), the load works. Under the condition of no induction signals, the load should stop working within 5-15 sec.