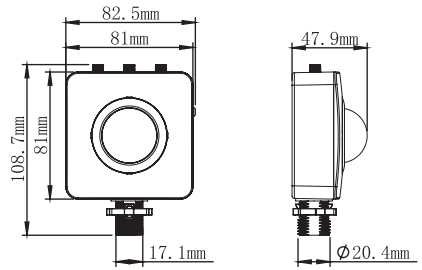


INTRODUCTION

The product is a new Energy-saving switch,it adopts good sensitivity detector, integrated circuit and SMT.It gathers automatism,convenient safe,Energy-saving and practical functions. Three detectors inside compose a wide range detection field,it utilizes the infrared energy from human as control-signal source,it can start the load at once when one enters detection field.It is easy to install and used widely ,possessing the function of power show and detection show.

SPECIFICATIONS

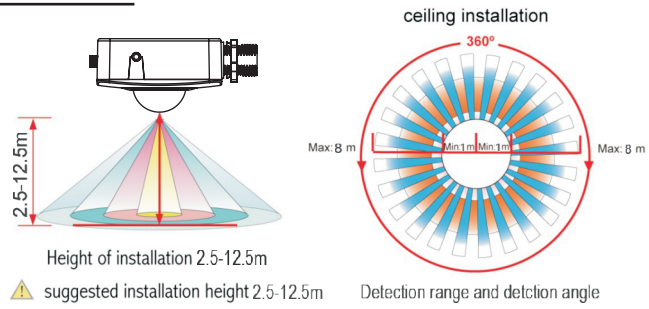
Power source:120-347VAC
Power frequency: 50/60Hz
Wire Designation:Hot,Load,Neutral
Rated load:Load Requirements (each relay)
@120VAC, 50/60Hz ....0-800W ballast or tungsten
@220VAC,50/60HZ.....0-1000W ballast
@ 277VAC, 50/60Hz ....0-1200W ballast
@ 347VAC, 50/60Hz ....0-1500W ballast
@ 120VAC .....1/6 hp

Sensor: PIR
Time setting: 10sec.-30min. (adjustable)
Detection range: 1-8m (radii.) (adjustable)
Light-control: 10LUX~2000LUX (adjustable)
Detection angle: 360°(ceiling installation)
Installation height: 2.5~12.5m
Working temperature: -10C°~+40C°
Detection motion speed: 0.6~1.5m/s
Standby power: working 0.45W (static 0.1W)

SENSOR´S LED:

1. It always light after switch on power, and be off after the unit enter working state.
2. It flash once when the unit receives sensing signal.

COVERAGE PATTERN



■PIR SENSOR FOR HIGH BAY LIGHT
SK808C INSTRUCTION

SETTING BY KNOB

Detection range setting (sensitivity)

SENS

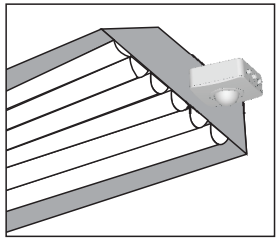
Detection range is the term used to describe the radii of the more or less circular detection zone produced on the ground after mounting the sensor light at a height of 2-15m,turn the reach control fully anticlockwise to select minimum reach (approx.2m radii), and fully clockwise to select maximum reach (approx. 10m radii).

NOTE: the above detection distance 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

TIME

The light can be set to stay ON for any period of time between approx.10sec(turn fully anticlockwise) and a maximum of 30min(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. 1sec before it is able to start detecting movement again.The light will only switch on in response to movement once this period has elapsed.

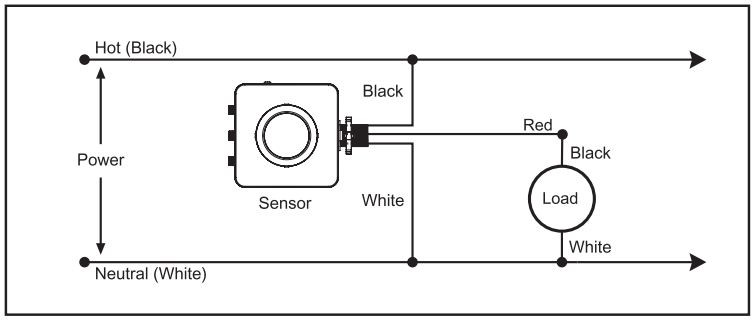
Light-control setting

LUX

The chosen light response threshold can be infinitely from approx. 10-1000lux. 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 1000lux. 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 are connected to the components directly, and there is a small stopper in each of the three components. Excessive turning will damage the stopper.
THE ADJUSTMENT RANGE LIMIT IS 270°.

WIRING DIAGRAMS



SOME PROBLEMS AND SOLUTIONS

➢ The load doesn't work:
a. Check that the power and load requirements are correct.
b. Check if the load is good.
c. Check if the show lamp accelerates its speed after detecting.
d. Check if the working light corresponds to the ambient light.

➢ The sensitivity is poor:
a. Check if there is obstruction in front of the detection window to effect receiving the signals.
b. Check if the ambient temperature is too high.
c. Check if the signal source is in the detection fields.
d. Check if the installation height corresponds to the height indicated in this manval.
e. Check placement of sensor in relation to movement flow.

➢ The sensor can't shut the load automatically:
a. Check if there are continual signals in the detection fields.
b. Check if the time delay is set to the longest.
c. Check if the power corresponds to the instruction.
d. Check if there is temperature change near the sensor.