

## INTRODUCTION

The miniature PIR (passive infrared) presence detector provides automatic control of lighting loads. It is specifically designed for mounting onto a batten style luminaire.

The detector will switch incandescent, fluorescent, compact fluorescent and LED lighting.

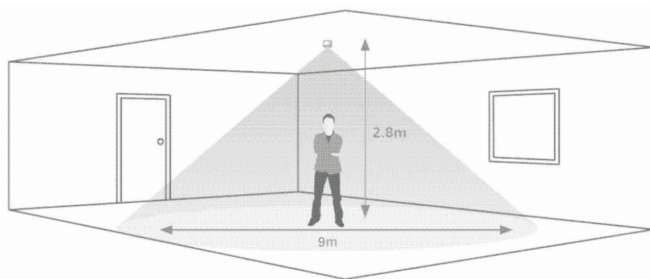
The unit detects movement using a PIR sensor and turns the load on. When an area is no longer occupied the load will switch off after a 10 minute time out period.

A selection of fixing washers are supplied to aid fixing to a variety of luminaires.

## SPECIFICATIONS

Dimensions	See diagrams opposite.	Power consumption	On 799mW, Off 807mW
Supply Voltage	120 VAC	Cable specification	1m 1/1.13 solid core cable
Frequency	50/60Hz		105°C
Maximum Switching Load	2 Amps fluorescent and incandescent lighting. 2 Amps compact fluorescent lighting. 2 Amps low energy lighting. 2 Amps low voltage lighting (switch primary of transformer). Switch SON lighting loads via a contactor.	Temperature	-10°C to 35°C
		Humidity	5 to 95% non-condensing
		Material	Flame retardant ABS/PC
		Type	Class 2
		IP rating	IP65

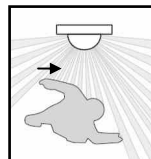
## DETECTION DIAGRAM



Note: illustration shows an average of the walk across and walk towards figures below.

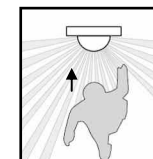
Area of high sensitivity  
Area of lower sensitivity

### Walk across



Height	Range Diameter
7m	16m
2.8m	9m

### Walk towards



Height	Range Diameter
7m	10m
2.8m	5m

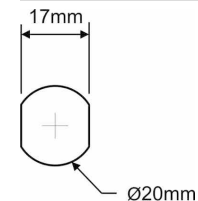
## INSTALLATION

Do not grip unit at the lens end. Hold the square body near the threaded end when installing and tightening the nut. Care must be taken to prevent damage to the lens and surrounding IP seal.

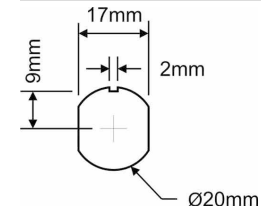
### Components

Part	Quantity Supplied
Silicone washer	2
5° washer	1
5° spacer	1
M20 nut	1

### Mounting hole without key

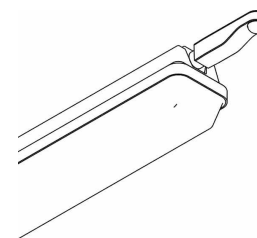


### Mounting hole with key



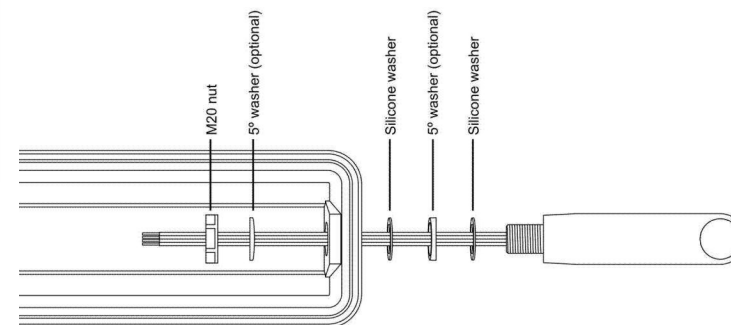
Note. Key to be at top of sensor.

## IP LUMINAIRE FITTING

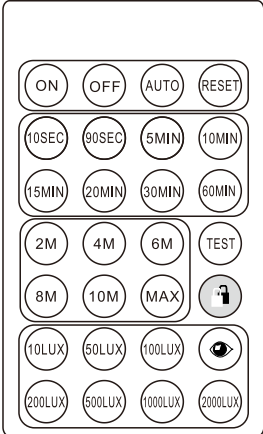












Note. Use the 5° spacers where the luminaire housing has a draft angle.

Important  
Ensure that the Silicone washer and/or the IP spacer are used to ensure IP rating.







## SETTING BY REMOTE CONTROL

		ON=Manual on,after 6 hours turns to "AUTO"mode OFF=manual off, after 6 hours turns to "AUTO"mode		The sensor starts to work automatically,and all paraments back the latest setting before TEST mode, on/off mode,and reset mode.
		Time setting		Reset •Resetting of all functions 
		Range setting		In test mode,hold time is only 2s, and stand-by time and daylight sensor are disable. Quit Test Mode,Press Auto button
		Preselected light values - 10 to 200 0 Lux; Recommendation: rooms with daylight 500 Lux, without daylight 200 0 Lux		Permanent tamper protection • Permanent inhibition of the detector; only ON- and OFF function on the remote control possible. on=permanent on off=permanent off Unlock permanent tamper protection
		The latest surrounding lux value learned,and is set as the daylight threshold.		

### Operation tips:

**A:**Set 10SEC,6M,100LUX as a exmple

- 1.We push ,if you set TIME, LUX, RANGE,it must enter in Auto mode first.
- 2.Push ,the sensor off,sensor led will flash 3 times as confirmation.
- 3.Push , the sensor off,sensor led will flash 3 times as confirmation.
- 4.Push , the sensor off,sensor led will flash 3 times as confirmation.

### **B:**ON MODE

If you push ON,the sensor on,and will enter in auto mode after 6 hours when there are no motions.


### **C:**OFF MODE

If you push off,the sensor on,and will enter in auto mode after 6 hours when there are no motions.

NOTE: QUIT ON/OFF Mode,Please Auto Button.

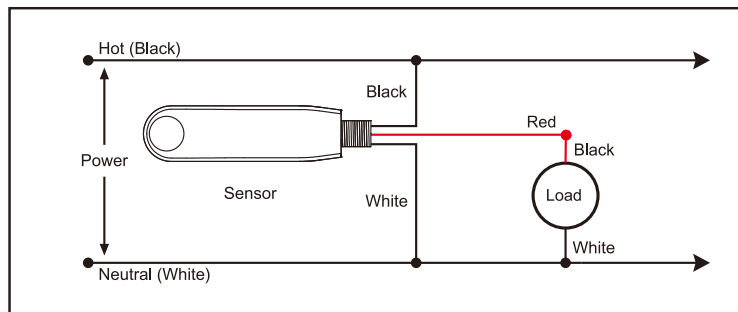
### **D:** LOCK(UNLOCK)

If you push ,the remote control is lock,only ON and OFF function on the remote control possible.

In this time,sensor has no motion function,only permanent on or permanent off. Push the ,unlock the remote control.

There is interval 4 seconds after the sensor stop work,during the 4 seconds,the sensor can't work. After 4seconds,the sensor start work.

## WIRING DIAGRAMS



## INSTALLATION

The product is designed to be mounted directly to the outside of a luminaire. The detector should be sited so that the occupants of the room fall inside the detection pattern (shown opposite), at a recommended ceiling height of 2.8m. Note that the lower the sensor is installed the smaller the detection range will be, subject to the parameters shown on the detection diagram.

- Do not site within 1m of forced air heating or ventilation..
- Do not fix to a vibrating surface.