

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.

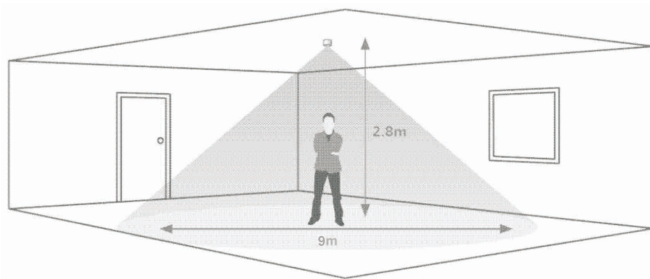
The unit detects movement using a PIR sensor and turns the load on. When an area is no longer occupied the load will switch off after a 10 minute time out period.

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	100-240VAC	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

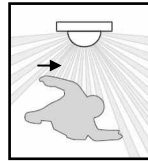
DETECTION DIAGRAM



Area of high sensitivity Area of lower sensitivity

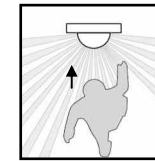
Note: illustration shows an average of the walk across and walk towards figures below.

Walk across



Height	Range Diameter
7m	16m
2.8m	9m

Walk towards



Height	Range Diameter
7m	10m
2.8m	5m

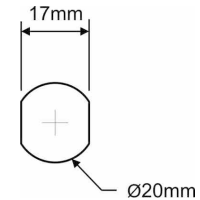
INSTALLATION

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.

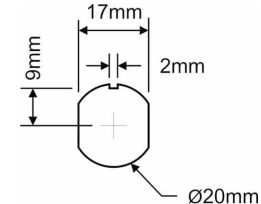
Components

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

Mounting hole without key

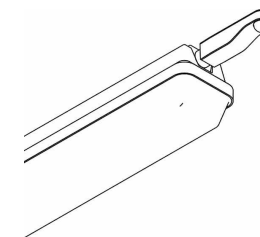


Mounting hole with key



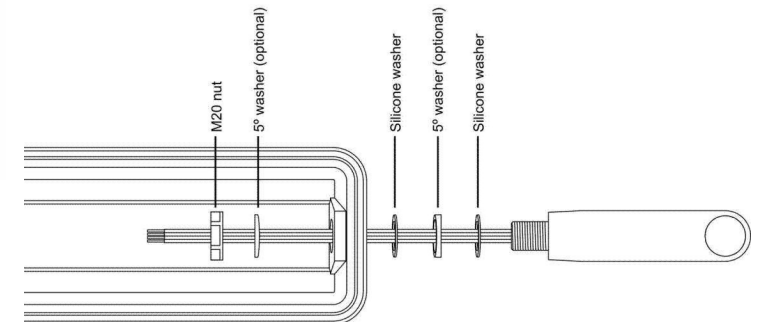
Note. Key to be at top of sensor.

IP LUMINAIRE FITTING



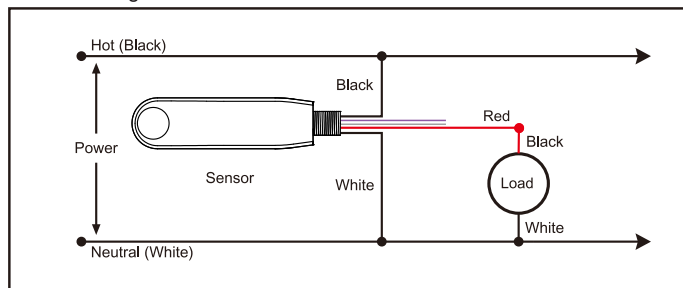
Note. Use the 5° spacers where the luminaire housing has a draft angle.

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

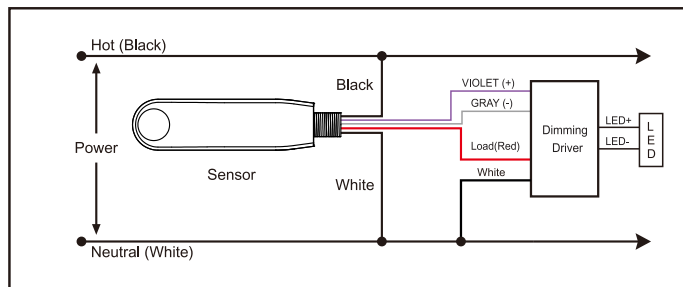


WIRING DIAGRAMS

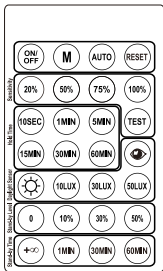
























Non-Dimming Driver



Dimming Driver









SETTING BY REMOTE CONTROL


		Press the "on/off" button, the light goes to permanent on or permanent off mode, the sensor is locked. Press "AUTO" to quit from this mode.		The button "Test" is for testing sensitivity purpose only. The sensor goes to test mode (hold-on time is only 2s) automatically after commissioning, meanwhile the stand-by period and daylight sensor are disabled. Press "AUTO" to quit from this mode.
		Memorize a list of specific parameters in "M" button as one touch button.		
		Press "AUTO" button, the sensors starts to work and all parameters remains the same as the latest status.		Press "RESET" button, all parameters go back to default settings:   
	 	Select as appropriate to adjust sensor sensitivity	 	The time of light fixture remains at programmed 100% level after motion is not detected
		Press this button, the latest surrounding lux value overwrites previous lux value learned, and is set as the daylight threshold. This feature enables the fixture to function well in any real application circumstance.	  	Select  threshold for sensor to turn light fixture ON. Select  , current surrounding lux value as daylight lux threshold, select  , the built-in daylight sensor stops working, and all motions detected could turn the light fixture on no matter how bright the natural light is.
	 	Press the buttons of "stand-by dimming level" to set the stand-by dimming level at 0/10%/30%/50%; Note:  means on/off control;	 	Press the buttons of "stand-by period (corridor function)" to set stand-by period at 1min/30min/60min/+∞; Note: "+∞" means bi-level dimming control, fixture never switches off.

NOTE: 1. when the sensor connect AC power first time, the light will be on one time and off, it take 20seconds to warm up.
2. the light will be on one time and off as confirm the sensor gets remote control signal.

Quick User Guide:


- "ON/OFF" MODE: Press the "ON/OFF" button, the light goes to permanent on or permanent off mode, Press "AUTO", button to quit from this mode.
- "RESET" MODE: Press "RESET" button, all parameters go back to Default parameter:     .
- "AUTO" MODE: Press "AUTO" button, the sensor starts to work automatically, the parameters same as latest parameters in "AUTO" mode, you can begin to adjust the parameters as you desired.


For example: make desired Parameters as following: sensitivity 50%, hold time 10seconds, daylight sensor , Stand-by level 30%, Stand-by time: 1min).

- push the "AUTO" button, light will be on one time and off, as confirm.
- push the sensitivity "50%" button, light will be on one time and off, as confirm.
- push hold time "10seconds", light will be on one time and off, as confirm.
- push daylight sensor "  ", light will be on one time and off, as confirm.
- Push Stand-by level "30%" button, light will be on one time and off, as confirm.
- Push Stand-by time "1MIN" button, light will be on one time and off, as confirm.

The sensor detects motion, the light on 100%, the light will go to 30% if no motion is detected within 10S econds, and light will off if no motion is detected within 1min.

- "M" Mode: "M" means Memory, this mode is to memorize a list of specific parameters in "M" button, so other light sensors can copy same parameters immediately by just pushing M button.

For example: you have 1000pcs lights need to set same parameter as following: sensitivity 50%, hold time 10seconds, daylight sensor , Stand-by level 30%, Stand-by time: 1MIN.

- push "M" button, light will on then off, then push "TEST" and hold until light remains on.
- push the sensitivity "50%" button, the light will flash and remains on as confirm.
- push hold time "10SEC" button, the light will flash and remains on as confirm.
- push daylight sensor "  ", the light will flash and remains on as confirm.
- push Stand-by level "30%" button, the light will flash and remains on as confirm.
- push Stand-by time "1MIN" button, the light will flash and remains on as confirm.
- push "M" button, memorize the Parameters above, light will be off as confirm.
- Aim at the light, and press "M" button again, mean the First light sensor get parameters as above.
- Aim at other 999pcs lights, just need to push only one button "M" one by one, lights sensor will get all parameters as above.