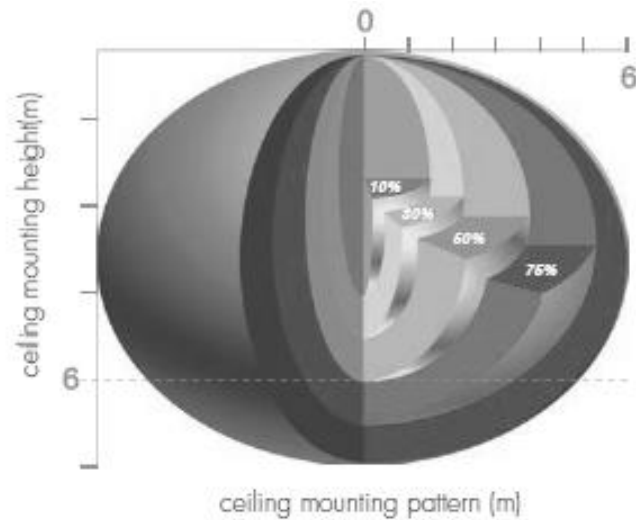


## GENERAL INFORMATION

- 1) A qualified electrician, in accordance with IEE wiring regulations should carry out connection to mains wiring.
- 2) This unit must be EARTHED.
- 3) Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
- 4) Do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.
- 5) Fluorescent lamps should be run in for an initial 100 hours prior to any dimming or emergency testing takes place.

## DETECTION PROFILE



### TECHNICAL SUPPORT

Tel: 0161 331 5700

e-mail: [technical@whitecroftlight.com](mailto:technical@whitecroftlight.com)

[www.whitecroftlighting.com](http://www.whitecroftlighting.com)

Whitecroft  
lighting

## Q5 MICROWAVE SENSOR



Model: HC009S

HC009S March 2016 - Rev C



**Whitecroft Lighting Limited**

Burlington Street, Ashton-under-Lyne, Lancashire OL7 0AX  
Telephone +44 (0)870 5 087 087 Facsimile: +44 (0)870 5 084 210

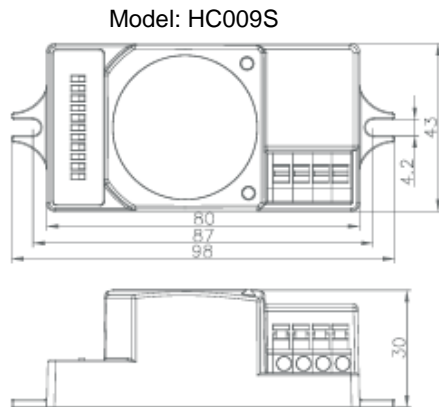
Registered No. 3848973 England

Registered Office: AS above

## SPECIFICATION

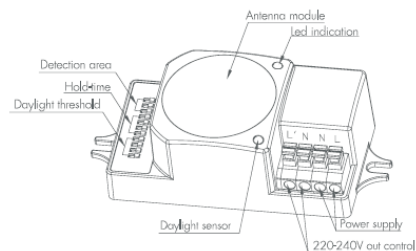
Rated Load	400W Max Capacitive
Finish	White
Materials	Plastic
Supply	220-240V AC, 50Hz
Power	<0.5W (Standby) <0.2mW (Microwave)
Operating temp	25°C
Ingress protection	IP 20

## DIMENSIONS & FIXING HOLE CENTRES



## FUNCTION

The sensor is a motion switch. It turns the light ON after detection of moving objects and turns the light OFF after a pre-selected hold-time when there is no motion detected.



## SETTINGS

### DETECTION RANGE – Default setting I – 100%

Detection area (sensitivity) can be reduced by selecting the combination on the dip switches to fit the specific application.

	1	2	3	
I	●	●	●	100%
II	○	●	●	75%
III	●	○	●	50%
IV	●	●	○	25%
V	○	○	○	10%

I – Detection range 100%  
 II – Detection range 75%  
 III – Detection range 50%  
 IV – Detection range 25%  
 V – Detection range 10%

### HOLD TIME – Default setting V – 12 minutes

Determines the time the lamp stays on at 100% after the last motion has been detected.

	1	2	3	4	
I	●	●	●	●	5s
II	○	●	●	●	30s
III	●	○	●	●	1min
IV	●	●	○	●	5min
V	●	●	●	○	12min
VI	○	○	○	○	30min

I – 5s  
 II – 30s  
 III – 1 minutes  
 IV – 5minutes  
 V – 12minutes  
 VI – 30minutes

### DAYLIGHT SENSOR – NOT USED – Default setting VI - disabled

Daylight threshold can be set using the DIP switches to fit site application.

	1	2	3	4	
I	●	●	●	●	2Lux
II	○	●	●	●	5Lux
III	●	○	●	●	10Lux
IV	●	●	○	●	30Lux
V	●	●	●	○	50Lux
VI	○	○	○	○	Disable

I – 2 lux darkness operation only  
 II – 5 lux darkness operation only  
 III – 10 lux twilight operation  
 IV – 30 lux daylight operation  
 V – 50 lux daylight operation  
 VI – Photocell disabled

## INSTALLATION OF LUMINAIRE

### Note: Important to consider

- The sensor can detect movements though thin walls and glass; detection range (sensitivity) should be adjusted in accordance with site conditions.
- Luminaire must be fixed to a solid surface to avoid false-triggering caused by vibration.
- Large metal surfaces can cause unwanted detection.
- Ventilation shafts and airflow can cause unwanted detection.
- Luminaires with sensors shall not be placed within each other's detection range.