Settings

Detection area, hold time and daylight sensor can be set using DIP switches on the sensor. Note that reducing the detection area will also reduce the sensitivity.

1. Detection area

I: up to 100%
II: up to 75%
III: up to 50%
IV: up to 25%

ON		1	2	
	I	ON	ON	100%
	II	–	ON	75%
	III	ON	–	50%
	IV	–	–	25%

2. Hold time

Refers to the time period the lamp remains at 100% illumination after no motion detected.

I: 5s
II: 30s
III: 1min
IV: 3mins
V: 20mins
VI: 30mins

ON		3	4	5	
	I	ON	ON	ON	5S
	II	–	ON	ON	30S
	III	ON	–	ON	1min
	IV	–	–	ON	3mins
	V	ON	ON	–	20mins
	VI	–	–	–	30mins

3. Daylight sensor

The sensor can be set only to allow the lamp to illuminate below a defined ambient brightness threshold. The settings are as follows:-

I: 2Lux, dakness operation only or open at 10Lux and close at 20Lux
II: 10Lux, dakness operation only or open at 25Lux and close at 75Lux
III: 25Lux, twilight operation or open at 50Lux and close at 100Lux
IV: 50Lux, twilight operation or open at 100Lux and close at 200Lux
V: 100Lux, brightness operation or open at 150Lux and close at 300Lux
VI: Disable*

ON		6	7	8	Daylight Threshold	Photocell Open/Close
	I	ON	ON	ON	2Lux	10/50Lux
	II	–	ON	ON	10Lux	25/75Lux
	III	ON	–	ON	25Lux	50/100Lux
	IV	–	–	ON	50Lux	100/200Lux
	V	ON	ON	–	100Lux	150/300Lux
	VI	–	–	–	Disable	Disable

* When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient lamp levels.

4. Mode

Select motion mode or photocell mode.

I: Motion function is available only.
II: Photocell is available only.

ON		9	
	I	ON	Motion
	II	–	Photocell

Care and Safety

We recommend cleaning with a soft dry cloth. Do not use solvents or abrasive cleaners as these could damage the finish.

For your safety, always switch off the power supply before changing lightbulbs, or cleaning.

V1 29/07/2022
UK Manufacturer: BH17 7BY
EU Manufacturer: Brilliant AG,
Brilliantstrasse 1, D-27442 Gnarrenburg

saxby lighting

Instruction manual

MW SENSOR

103850

saxby lighting

Thank you for purchasing this light fitting. Please read the instructions carefully before use to ensure safe and satisfactory operation of this product. Please retain these instructions for future reference.

Warning

Please read these instructions carefully before commencing any work.

This unit must be fitted by a competent and qualified electrician.

Install in accordance with the IEE Wiring regulations and current Building Regulations.

Check the pack and make sure you have all the parts listed.

To prevent electrocution switch off at the mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge. If you are in any doubt, please consult a qualified electrician.

The sensor should not be modified in any way.

The sensor should be connected to a stable power supply (220-240V～50Hz).

Microwaves cannot pass through metal or brick walls if thicker than 20cm. They will pass through thinner walls but there will be some attenuation.

Installation inside a glass or plastic housing will result in a reduction of detection sensitivity. Expect a reduction of 20% for every 3mm of thickness.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Installation

Existing fittings must be completely removed before installation of a new product. Before removing the existing fitting, carefully note the position of each set of wires.

Note that the switch is turned off before installation.

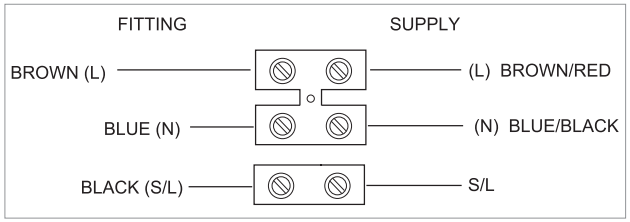
Ensure that the screws and cable entry points are sealed to maintain the IP rating of the product.

- If installing directly to product, create knock out hole in desired location so microwave sensor can be installed.
- Remove nut from thread and place threaded end through created knock out. Refit nut from other side and tighten to secure.
- Wire as detailed wiring diagram.

Wiring

Having correctly identified the wiring from your existing light fitting, connect to the connection block inside the product in the following way:

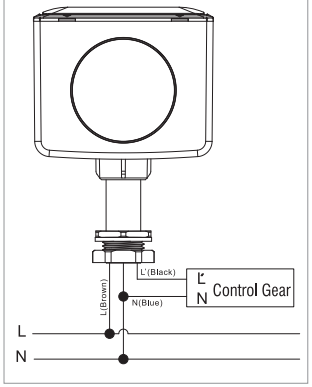
Please note: termination is not supplied. If you are not connecting the sensor to another unit then the switched live (S/L) wire will need to be terminated.



Check that...

- You have correctly identified the wires.
- The connections are tight.
- No loose strands have been left out of the connection block.

Wiring Scheme



Technical Specifications

Voltage:	220-240V 50Hz a.c.
Load:	400W (inductive), 800W (resistive)
HF System:	5.8GHz±75MHz, ISM wave band
Transmitting Power:	＜0.5mW
Power Consumption:	≤ 0.5W (standby)
Detection zone:	Max. (D x H): 12m x 10m
Detection sensitivity:	25% / 50% / 75% / 100%
Hold Time:	5s / 30s / 1min / 3mins / 20mins / 30 mins
Daylight sensor:	2Lux /10Lux / 25Lux / 50Lux / 100Lux / Disable
Daylight open/close:	10Lux / 50Lux; 25Lux / 75Lux; 50Lux / 100Lux; 100Lux / 200Lux; 150Lux / 300 Lux; Disable.
Mounting height:	6m Max.
Motion detection:	0.5～3m/s
Detection angle:	150º (wall installation) / 360º (ceiling installation)
Operating temperature:	-25ºC to ＋60ºC
IP rating:	65

Override Function

Quick switch ON/OFF 3 times within 2sec to override sensor function. Lights will switch on all the time. Power off and on again to recover sensor function.

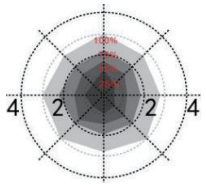
Factory Setting

Detection Area: 100%, Hold Time: 5S, Daylight Sensor: Disable, Mode Settings: Motion

Detection Pattern

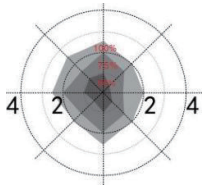
1) Ceiling mounting

Height: 3m
Sensitivity: 100%/75%50%/25%



Normal moving (Speed: 1m/s)

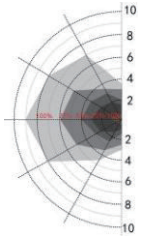
Height：6m
Sensitivity: 100%/75%/50%



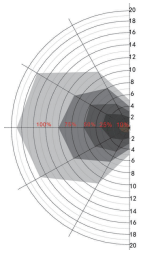
Normal moving (Speed: 1m/s)

2) Walling mounting

Horizontal installation：2m
Sensor range setting: 100%/75%/50%/25%



Normal walking (walking speed:1m/s)



Slow walking (walking speed: 0.3m/s)