Microwave Movement Sensor

This product is fitted with a microwave movement sensor. Please see below detailed operating instructions.

Technical Specifications:

Operating voltage		220 ~ 240V AC 50/60Hz
Rated load		400W (Capacitive load) 800W (Resistive load)
Stand-by power		≤0.5W
Sensitivity	Ceiling mounted height: 3m	100% / 75% / 50% / 25% / 10%
	Ceiling mounted height: 6m *	100% / 75% / 50%
	Wall mounted height: 2m	100% / 75% / 50% / 25% / 10%
Hold-time		5s / 30s / 90s / 3min / 20min / 30min
Daylight sensor		2Lux / 10Lux / 25Lux / 50Lux / Disable
Microwave frequency		5.8 GHz ±75MHz
Transmitting power		1mW Max.
Detection range	Ceiling mounted height: 3m	3- 6m (radius)
	Wall mounted height: 1.5-2m	12-15m
Detection angle		360^0 (Ceiling) / 120^0 (Wall)
Working temperature		-20^0C ~ 60^0C
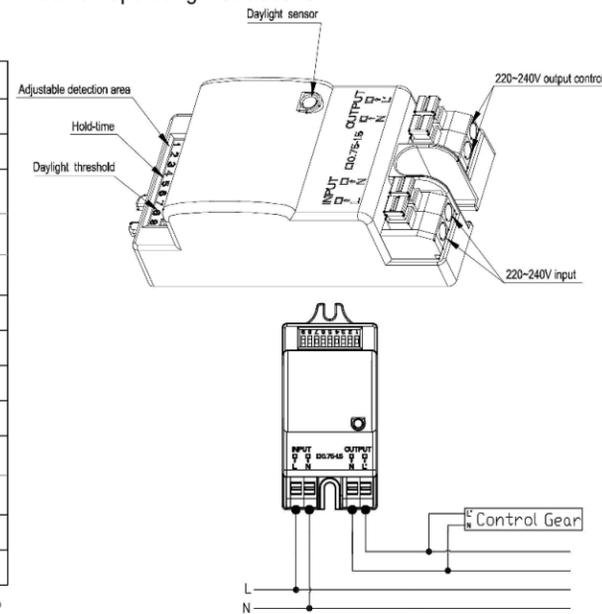
*50%, 75%, 100% detection sensitivity is workable when installed at 6m mounting height. Only 10%, 25% sensitivity is not able to detect motion signal.

Settings:

1. Sensitivity

Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.

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

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

2. Hold-time

Hold-time refers to the time period that the light remains 100% on if no more movement is detected.

I – 5s
II – 30s
III – 90s
IV – 3min
V – 20min
VI – 30min

	4	5	6	
I	●	●	●	5s
II	○	●	●	30s
III	●	○	●	90s
IV	○	○	●	3min
V	●	●	○	20min
VI	○	○	○	30min

3. Daylight sensor

Different daylight threshold can be preset on DIP switches. Light will always turn on upon movement if daylight sensor is disabled.

I – 2Lux
II – 10Lux
III – 25Lux
IV – 50Lux
V – Disable

	7	8	9	
I	●	●	●	2Lux
II	●	○	○	10Lux
III	○	●	●	25Lux
IV	○	○	○	50Lux
V	○	○	○	Disable*

*Disable means the daylight sensor does not work. The sensor will turn on light once motion is detected regardless of ambient light level.

Trouble shooting:

Malfunction Cause Remedy	Cause	Remedy
The light will not come on	Incorrect light-control setting selected	Adjust daylight threshold setting
	Faulty lamp	Replace lamp
	No power supply	Check power to sensor
The lamp is always on	Continuous movement in the detection zone	Check detection area setting
The lamp is on without any identifiable movement	The sensor is not mounted for reliably detecting movement	Securely mount enclosure
	Movement occurred, but not identified by the sensor (Movement behind wall, movement of small object in immediate lamp vicinity etc.)	1. Reduce sensitivity. 2. Check the movement behind walls to avoid facilities such as water pipe, fan, which may mis-trigger the sensor.
The lamp will not work despite movement	Rapid movements are being suppressed to minimize malfunctioning or the detection radius is too small.	Check detection area setting

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 cleaning.

V4 16/06/2021

Seran MW Wall

78607, 78608, 78609, 78610

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saxby lighting

CE

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 IEE Wiring regulations and current Building Regulations.

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

To prevent electrocution switch off at 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.

This light fitting should be connected to a fused circuit.

If replacing an existing fitting, make a careful note of the connections.

Cables must be protected using suitable conduit or plastic trunking.

The mains supply cable must have a minimum cross sectional area of 1.0mm².

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard and masonry. It is not suitable for use on highly flammable surfaces (e.g. polystyrene, textiles).

If mounting, note the position of the "This Way Up" label on the back of the product and ensure it is correctly oriented.

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.

● ●

Technical data

Supply Voltage:	240V∼, 50 Hz
Bulb Type:	12W LED module - 6000K
CE	Conformity with all relevant EC Directive requirements.
☒	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.
☐	The power supply is Double Insulated and does not require connection to an Earth circuit.
⊘	This product is not suitable for dimming.
IP65	This product is rated at IP65.

● ●

Layout

• Plan the desired layout of these fittings carefully, ensuring the cables will reach the distances each light fitting.

• Avoid locating any cables in positions that would cause a hazard. Position cables and junction boxes (not supplied) away from areas where they may be at risk from being cut, trapped or damaged.

• Suitable for indoor and outdoor use.

• If this unit is being fitted in a room containing a bath or shower, a 30mA RCD must be used - in accordance with IEE regulations.

• This product is suitable for use in living areas, Bathroom Zone 2 and outsides of zones.

2.25m | **Zone 1** | 0.6m | **Outside zones**
**Zone 2** | **Zone 2** | 0.6m
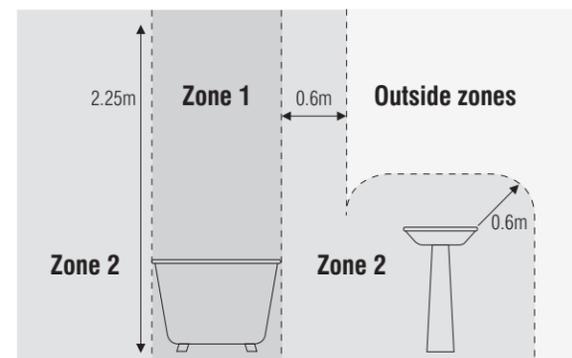
Installation

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.

• Undo screws and remove diffuser.

• Drill holes in the back of your fitting for your fixing screws, take care and drill gently to ensure a clean hole through. Use a drill bit sized appropriately to your fixing screws (not supplied).

• Using the back of your fitting as a template, mark the position of your fixing holes on your mounting surface.

• Prepare the holes in your mounting surface as appropriate for your fixings.

• Pierce the rubber grommet in the back of your fitting making a hole just large enough to make a tight fit around the incoming mains cable.

• Thread the cable through the grommet and offer the fitting to the ceiling / wall.

• Secure the fitting in place. Note, if protection against ingress of moisture is required, the heads of screws must be covered with a silicone or similar sealant.

• Check that the grommet is still correctly fitted in the cable entry hole and around the incoming cable.

• Make the electrical connections to the gear tray according to the symbols, adjacent to the connector block, Brown to live (L) Blue to neutral (N).**See Wiring**

• Restore the power and switch on.

● ●

Wiring

• This product is double insulated and must not be earthed. If there are any incoming earth cables, they must be joined together and well insulated with good quality insulation tape. This is to ensure earth continuity throughout your property.

• Having correctly identified the wiring from your existing light fitting, connect to the quick fit connection block in the following way:

L ──────── Live
N ──────── Neutral
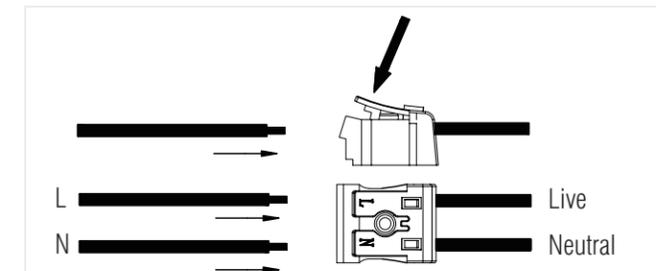
Check that...

• You have correctly identified the wires.

• The connections are tight.

• No loose strands have been left out of the terminals.