Microwave Movement Sensor

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

Technical Specifications:

Operating voltage		$220 \sim 240$V AC 50/60Hz
Rated load		400W (Capacitive load) 800W (Resistive load)
Stand-by power		$\leqslant$ 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 $\pm$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 $\sim$ 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.

Saxby Core CCT MW
110966

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

For further information, please visit https://www.lighting-info.co.uk/110966

saxby lighting

www.saxbylighting.com

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

☐ This power supply is Double Insulated and does not require connection to an Earth circuit.

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.

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.

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.

Layout

Plan the desired layout of these fittings carefully, ensuring the cables will reach the distance between the junction box and the light fitting.

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

We recommend that you use H05RN-F specification cable (not supplied) which is an outdoor grade, rubber sheathed cable.

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

Cables must be protected using suitable conduit or plastic trunking.

The products can be wall or ceiling mounted. If wall mounting ensure that the power supply is at the bottom.

Technical data

Supply Voltage: 220-240V∼, 50 Hz

Bulb Type: 15/12/8W LED (SMD) CCT, 3000/4000/6000K
This product contains a light source of energy efficiency class **D**.

Non-replaceable light source

Replaceable control gear by a professional

UKCA Conformity with all relevant UKCA Directive requirements.

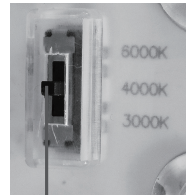CE Conformity with all relevant EC Directive requirements.

☐ The power supply is Double Insulated and does not require connection to an Earth circuit.

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.

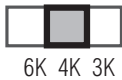This product is not suitable for dimming.

IP65 This product is rated at IP65.

CCT & Multi Watt Function

6K 4K 3K

The colour is changeable between 3000/4000/6000K using the CCT switch on LED board insied the fitting before installation. Default setting is 4000K.

CCT Switch

15W 12W 8W

The wattage is changeable between 8/12/15W using the wattage switch on the driver before installation. Default setting is 15W.

Watt Switch

Choose your preferred wattage and colour before installing by wattage switch or CCT switch on the driver.
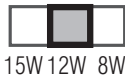Note: Befeore you change the wattage or colour, please turn off the power switch for safety.

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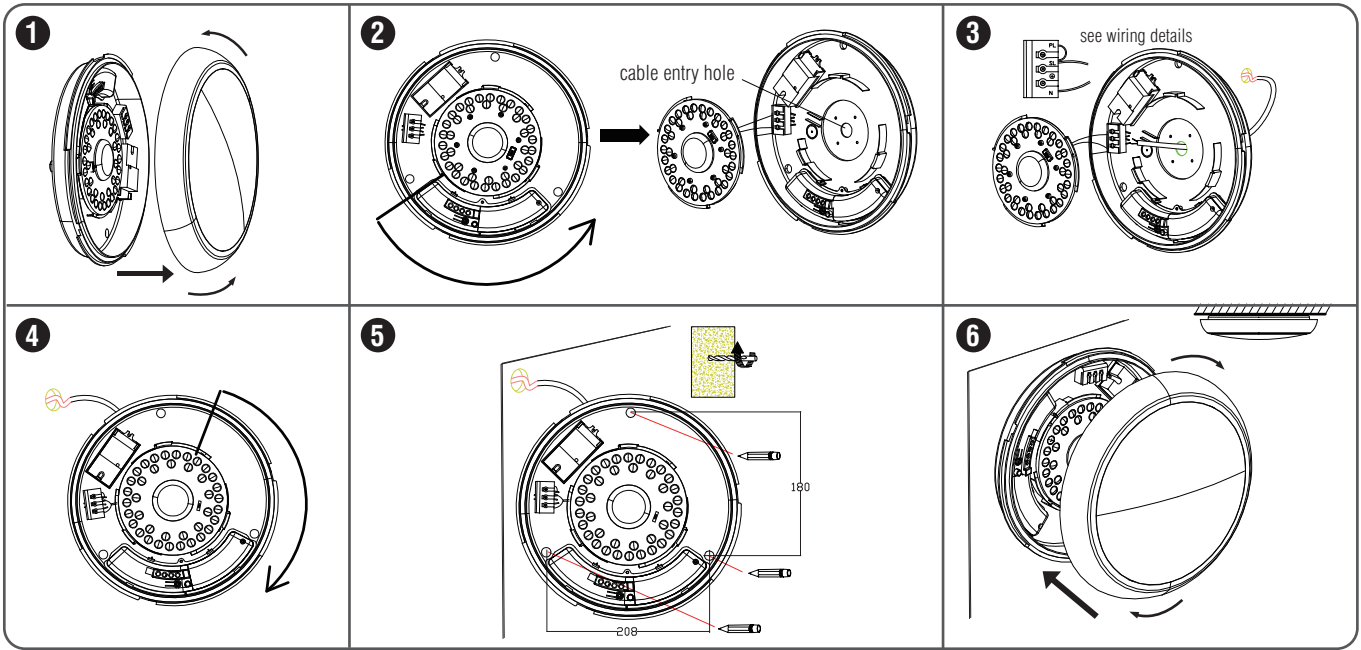Ensure that the screws and cable entry points are sealed to maintain the IP rating of the product.

• Rotate to remove the lamp cover from the product, keep safe for refitting later.
• Rotate the LED board anticlockwise by 60º to release it from the rear casing to find out the cable entry hole in the center of the rear casing.
• Pull the cable through the cable entry hole and seal to maintain the IP rating.
• Wire as detailed wiring diagram.
• Rotate the LED board clockwise by 60º to fix it back into the rear casing.

• Using the rear casing as a template mark the position to drill out the fixing holes. Take care to avoid damaging any concealed wiring and pipes. Ensure the wall is capable of holding the weight of the product, or if fitting to a ceiling, ensure there is a joist at the point of fixing to support the weight of the product.
• Fix the rear casing into the position using the installation plugs and screws.
• Rotate the lamp cover back onto the product and lock in place.
• Replace fuse or circuit breaker and switch on. Your light is now ready for use.

Individual casings are available for purchase separately.
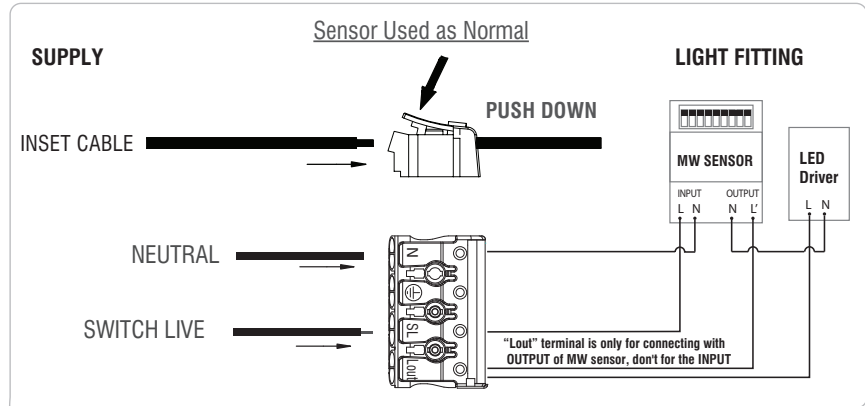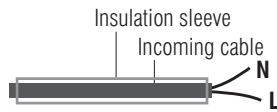110969: black bezel
110970: chrome beze

❶ ❷ cable entry hole ❸ see wiring details

❹ ❺ ❻

* Product images may vary.

Wiring

• This product is double insulated and must not be earthed. If there are any incoming earth cables, they must be joined together. 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:

Sensor Used as Normal

SUPPLY | LIGHT FITTING

INSET CABLE — PUSH DOWN

MW SENSOR | LED Driver
INPUT L N | OUTPUT N L' | L N

NEUTRAL

SWITCH LIVE

"Lout" terminal is only for connecting with OUTPUT of MW sensor, don't for the INPUT

NOTE: Please remind to use the insulation sleeve(supplied) for the incoming cable before the incoming cable connect with quick fit connection block.
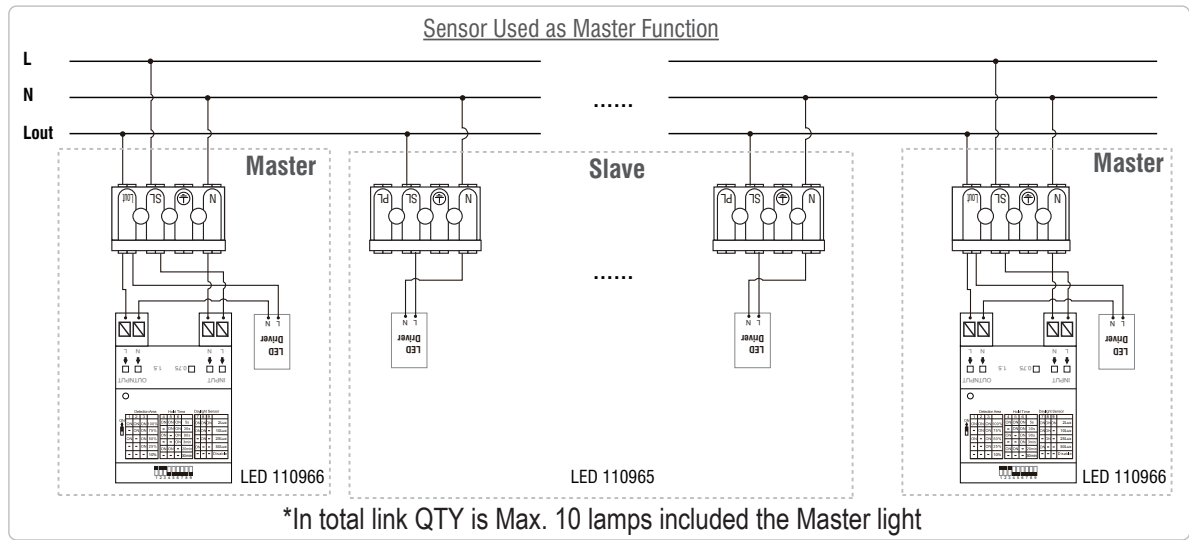
Insulation sleeve
Incoming cable
N
L

Check that...

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

Sensor Used as Master Function

L
N
Lout

Master | Slave | Master

LED Driver | LED Driver | LED Driver

LED 110966 | LED 110965 | LED 110966

*In total link QTY is Max. 10 lamps included the Master light

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.

Replace Cracked Shade

This light source is protected by a shade. This part must be replaced immediately should the shade become cracked or damaged. This fitting must not be used without the shade in place.