Safety Information

>All electrical work must be undertaken by a qualified contractor to ensure compliance with latest edition BS7671 and IEE/IET wiring regulations.

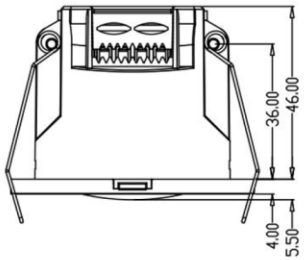
> Before installing the Microwave Motion Sensor or doing any maintainance, ensure power supply is turned off at the circuit breaker or fuse box.

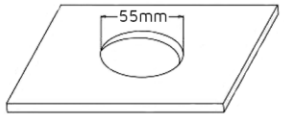
> This product is designed for permanent connection to fixed wiring; the circuit should be protected with the appropriate MCB or fuse.

Environment

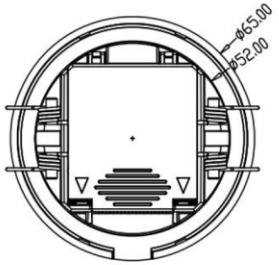
>Please DO NOT dispose of electrical items or packaging as unsorted waste. Use the recycling facilities provided by your local authorities.

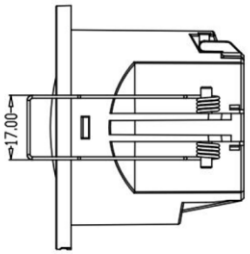
PRODUCT DIMENSIONS





Cutout size





All units are in mm

Important Warranty Information

The Microwave Motion Sensor has a 5 year warranty. The registrant must provide the product part number and date of manufacture, which can be found on the label attached to the luminaire housing along with the original purchase invoice.

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NET LED® LIGHTING

MICROWAVE MOTION SENSOR INSTALLATION GUIDE

NET-42-43-05

KEY DATA

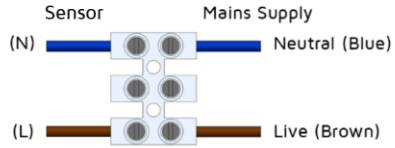
Load Capacity	800W (Resistive), 400W (Inductive)
Rated Voltage	220-240V AC 50Hz/60Hz
Operating Frequency	5.8GHz, ISM Band
Hold Time	5S / 1min / 5min / 10min
Detection Area	100% / 75% / 50% / 25%
Daylight Sensor	5Lux / 30Lux / 50Lux / Disable (Diffuse State)
Detecting Area	≥3m
Mounting Height	2.5-4m
Detecting Angle	120°
IP Rating	IP20
Manufacturer	Merrytek

SUPPLY/EARTH CLASS

220-240V AC 50/60 Hz


Class II

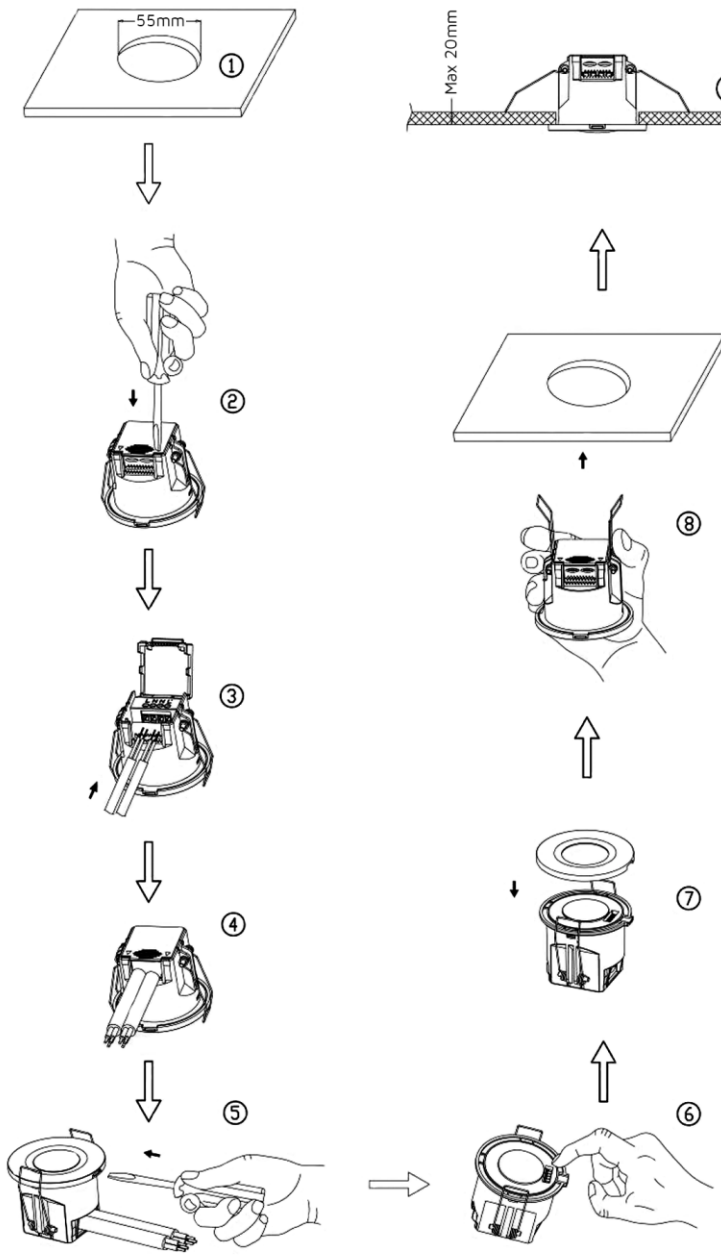
Fig.1 Mains Input Termination



UK CA CE

Installation procedure: Carefully read the installation instructions and ensure the mains supply is isolated before installation. Please read the safety information overleaf before carrying out any installation. Please retain this leaflet for future reference.

Microwave Motion Sensor installation:



1. Ceiling cut size Φ55mm.

2. Use a flat-blade screwdriver to remove the crimping cover.

3. Connect the wires to the wiring terminals.

4. Install the crimping cover and crimp the wire.

5. Use a flat-blade screwdriver to remove the surface cover.

6. Adjust the DIP to set the parameters.

7. Cover the surface cover back to make sure that it's fastened to the main body.

8. Bending the spring clip backwards to push into the pre-cut hole in the ceiling.

9. Ensure it's stable and reliable after installation.

Dip Switch Settings:

Detection Area		
	1	2
100%	ON	ON
75%	-	ON
50%	ON	-
25%	-	-

Hold Time			
	3	4	
I	ON	ON	5S
II	-	ON	1min
III	ON	-	5min
IV	-	-	10min

Daylight Sensor			
	5	6	
I	ON	ON	5Lux
II	ON	-	30Lux
III	-	ON	50Lux
IV	-	-	Disable

(Factory settings highlighted in grey)

Note: When set to Disable, the sensor will turn on the light as long as the movement of the object is detected, regardless of whether the light is sufficient.

After first power on, the light turns on and closes after 10 seconds. During the initialization, sensor is not able to detect moving objects signal.

Application Notice:

1) The sensor should be installed by a professional electrician. Please disconnect the power before installing, wiring or changing the setting of the DIP switch.

2) Sensor's microwave can penetrate walls of buildings. It may cause misreport when microwave penetrates wall to detect the moving objects outside fortified area. To avoid triggering by mistake, choose suitable place when installing, keep away from glass, plasterboard, wooden walls and other things that microwave can easily penetrate and choose appropriate sensing parameters according to space, for examples:

A. When product is used in the room whose length and width is about 2m or less, detecting area should be set to 25% (applicati is about 3m, detecting area should be set to 50% (application scenario: washroom, hallway, sitting room)

C. When product is used in the room whose length and width is about 4m, detecting area should be set to 75% (application scenario: small office, meeting room, library)

D. When product is used in the room whose length and width is about 5m or more, detecting area should be set to 100% (application scenario: large office, meeting room, library)
Note: The setting detecting area depends on the actual environment (detecting area parameters above application scenario are for reference only).

Wiring Diagram: