

Instruction Guide

MICROWAVE MOTION SENSOR

380A-1

3 wire

The Microwave Motion Sensor (3 wire) is part of the Elkay family of switches, timers and detectors which save energy and increase convenience in and around your home, garden or premises.

Rating at 240V ac

- Time Delay: 2 min - 2 hrs
- All general load types 16A - Including lighting loads that are LED, Compact Fluorescent, Incandescent and Resistive
- Lux level / Daylight adjustment
- Sensitivity Adjustment
- 15 to 30 metres range

Fitting and Operating Instructions

1. Ensure the mains power is switched off before any wiring takes place.
2. Fit the back box to the wall for mounting using appropriate screws and fixings (not supplied).
3. Set the dip switches to the required time settings (See diagram 2).
4. Connect the Live In, Live Out (Switch Live) and the Neutral into the marked terminals (See diagram 1).
5. To adjust lux level, locate lux level adjuster on the circuit board where the word LUX is printed. Turn anticlockwise for plus (+) and clockwise for minus (-).
6. To adjust sensitivity, locate SEN on the opposite side of the circuit board turn clockwise for plus (+) and anticlockwise for minus (-).



7. Please ensure white faceplate is attached before initialisation with holes at the top (See diagram 1).
8. Apply the mains power. Your load will turn on and a red light will begin flashing for 2 minutes and then will flash rapidly for 1 minute. At the end of this 3 minute cycle the load will turn off. The load will switch on again once further movements are detected.
9. Please note the red LED should be clearly seen through the hole in the faceplate. The unit is supplied with the default setting of max lux and sensitivity levels.

N.B. For flush mounting please ensure that it fits into a 35mm backbox.

Corridor / Office Plan A

When using PIRs in long corridors or spaces, there is often a need to position them every 6 to 8 metres (See diagram 4). This incurs additional cabling, labour and connection costs at install. Maintenance costs over time are also increased from a PPM perspective as there are more devices to check and maintain.

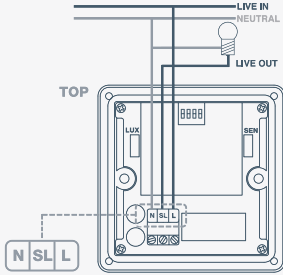
Corridor / Office Plan B

With the Elkay Microwave sensors 380A-1 mounted on the wall only one device is needed to cover areas up to 30 metres with lateral cover provided for up to 8 metres which increases overall flexibility (See diagram 5). Microwave Sensors reduce cabling, connection, labour and future PPM costs simply because fewer detectors are needed. They can be mounted from 1.2 to 2.5m in height and should be wall mounted for best effect. They can also be used in hi bay lamps that are PL types or hot re-strike luminaires.

Diagram 1

Wiring diagram for a three wire Microwave unit
(For additional products to be added see Diagram 3).

Wiring diagram for additional
microwave units.



* If faceplate is clipped on the wrong way Lux level adjustment will not work correctly (See TOP markings).

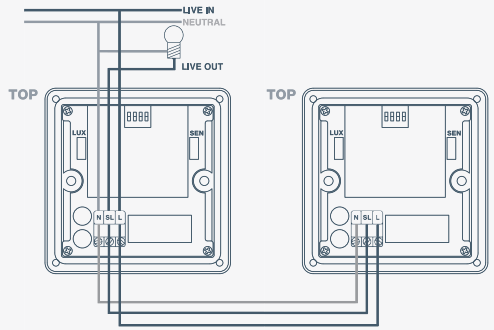


Diagram 2 - Time settings

Please note: The black bar denotes the position of the dip switch.



Diagram 3

Plan view of Microwave pattern.

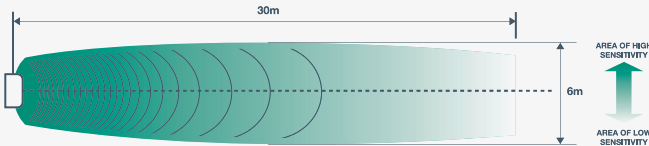


Diagram 4 - Corridor / Office Plan A

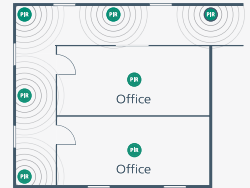
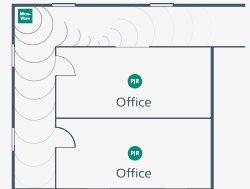


Diagram 5 - Corridor / Office Plan B



Important Notice

All wiring should be carried out by a competent person or a qualified electrician and should be fitted to current IEE wiring regulations BS 7671. The circuit should be isolated before carrying out any work. Failure to adhere to the instructions will invalidate the warranty.

Technical Helpline

For further help or assistance or information on this or other products in the range please call the Elkay Technical team on +44 (0)28 9061 6505. Please call the Technical helpline before returning any products to your stockist. These instructions are available in other languages. Please refer to our website www.elkay.co.uk Instrukcje są również dostępne w innych językach. Prosimy o zapoznanie się z naszą stroną internetową www.elkay.co.uk lub www.elkaypolska.pl

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