

380A-1 Microwave Motion Sensor – Three wire

The 380A-1 Microwave Motion Sensor is part of the Elkay family of switches, timers and detectors which save energy and increase convenience in and around your home or business premises.



Product description

This is a compact and low-profile wall mounted Microwave motion sensor providing automatic control of lighting, heating and ventilation systems using the latest in microwave technology.

The 380A-1 Microwave motion sensor can provide energy saving functionality by timing power source off to avoid unnecessary power usage. The unit is switched ON by changes to the reflective frequency caused by movement within the detection zone. With no changes to the reflective frequency, the unit will switch OFF after the adjustable time has elapsed.

This intelligent unit has Lux level adjustment, which measures the ambient light levels and prevents the lighting being switched ON when there is sufficient light in the room. In addition, a sensitivity potentiometer is also provided for area coverage adjustment.

Installers, Facility Managers & Maintenance Electricians love this product because of the low cost of installation associated with lighting control in large area.

Typical Product usage

The 380A-1 Microwave motion sensor is commonly used to control all types of loads from lighting, heating and ventilation and is very popular for use in large area such as classrooms, warehouses, sport halls, gyms etc. This product is now replacing all specialist PIRs used in Hi Bay application projects because it is much more cost effective. In many indoor applications, the Elkay microwave motion sensor reduces the amount of PIRs required in a project saving cable, labour and maintenance costs.

The unit offers 16 selectable timing options from 2 minutes to 2 hours and maximum detection range of 30 metre and requires a neutral. It offers a 6 year warranty and can switch all load types to 16A.

Key features

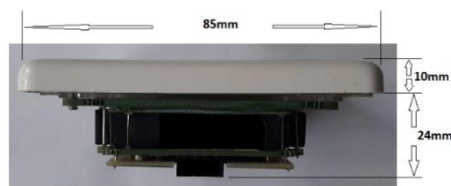
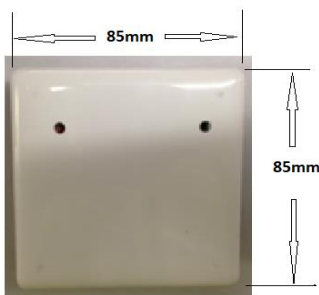
- 16A any load type
- 3 wire (Live, Switch live and Neutral required)
- Lux level Adjustment control
- Sensitivity Adjustable control
- Automatically timing resets on detection
- Fits into **35mm** depth back boxes.
- Range adjustable between 15 to 30 metres utilising an elliptical beam.
- 16 Timer settings from 2 minutes to 2 hours
- Wall mounted above a door for best coverage but can be ceiling mounted if required.

Technical Specification

- **Voltage:** 240V a.c.
- **Frequency:** 50/60Hz
- **Connections:** Live | Switch Live | Neutral |
- **Loading:** Up to 16A all load types*
- **Timing:** 2 minutes to 2 hours
- **Detection Range:** Adjustable between 15 to 30 metres utilising an elliptical beam.
- **Marking:** CE & UKCA
- **Terminal Capacity:** 2.5mm²
- **Standards:** BS EN 60669, 60669-1, 60669-2-1, 60669-2-3.
- **Power Consumption:** 1W
- **Material:** Flame Retardant ABS / UV Resistant
- **Compliances:** RoHS compliant, WEEE Policy, ISO9001, ISO14001.
- **Total Product Weight (each):** 221g
- **Total Plastic Weight (each):** 60.6g

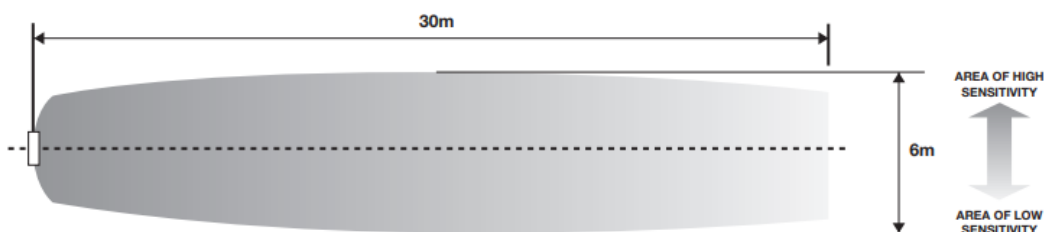
*All load type switching means that all load types such as LED, Fluorescent, Compact fluorescent, Resistive and Induction can be switched at 16Amps (3680W) without the need to derate.

Dimensions



The elliptical beam gives 360° detection and detects movement passing or approaching the sensor.

Plan view of Microwave pattern.



Amendments Record

Action	Date
Draft Issue	06/07/2021