

QL-SMW01

MICROVAWE SENSOR

The QL SMW01 is a microwave motion sensor module. The module takes power from the mains and switches the main phase to output load on sensing motion.

The sensor is activated by motion i.e. speed and size and being microwave technology it overcomes the temperature restrictions faced by normal IR based sensors. The operating temperature of the sensor ranges from -20°C to 60°C. The time delay, detection distance and daylight threshold is adjustable with the help of DIP switches on the sensor.

Specifications

Power Supply

220-240V AC, 50/60Hz

Power Requirement

Standby : 0.6W

Operational : 1.2W

Detection Range Setting

10%, 30%, 50%, 75% and 100%

Hold Time Setting

5s, 30s, 180s, 300s, 15min and 25min

Daylight Threshold Setting

2lux, 5 lux, 20lux, 30 lux and daylight

Sensor Principle

Microwave motion detector

Microwave frequency

5.8GHz +/- 75MHz

Microwave Power

<1mW



➤ Operates on mains voltage

➤ Settable delay time, threshold LUX level and Sensitivity

Detection Range

Max. (Φ xH) 8m x 5m

switched Power

400W Max

Detection Angle

30° - 150°

Mounting Height

Max. 5m

Environment

Ambient Temp : -20°C to 60°C

Relative Humidity : less than 80%

IP Rating

IP20

Safety Regulatory Compliance

CE

Dimensions

107mm (W) x 107mm (H) x 58mm (D)

Weight

250g

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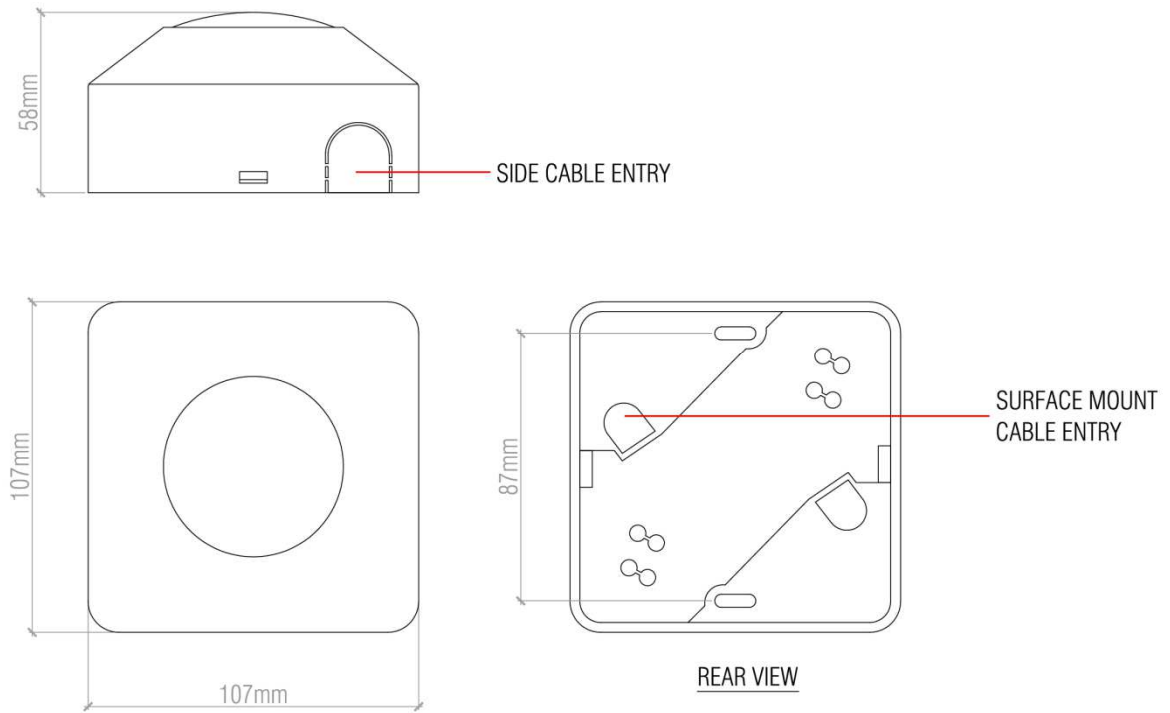


Fig 1. Module Details

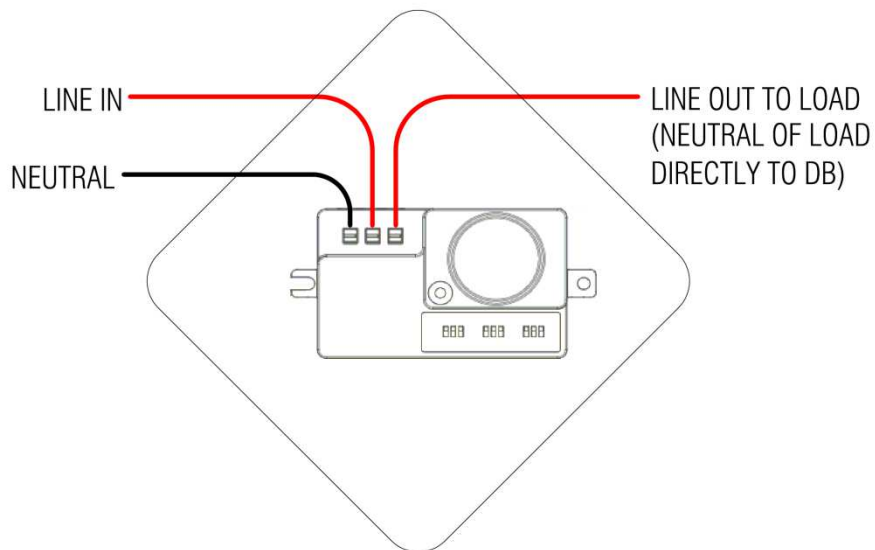


Fig 2. Module Connection

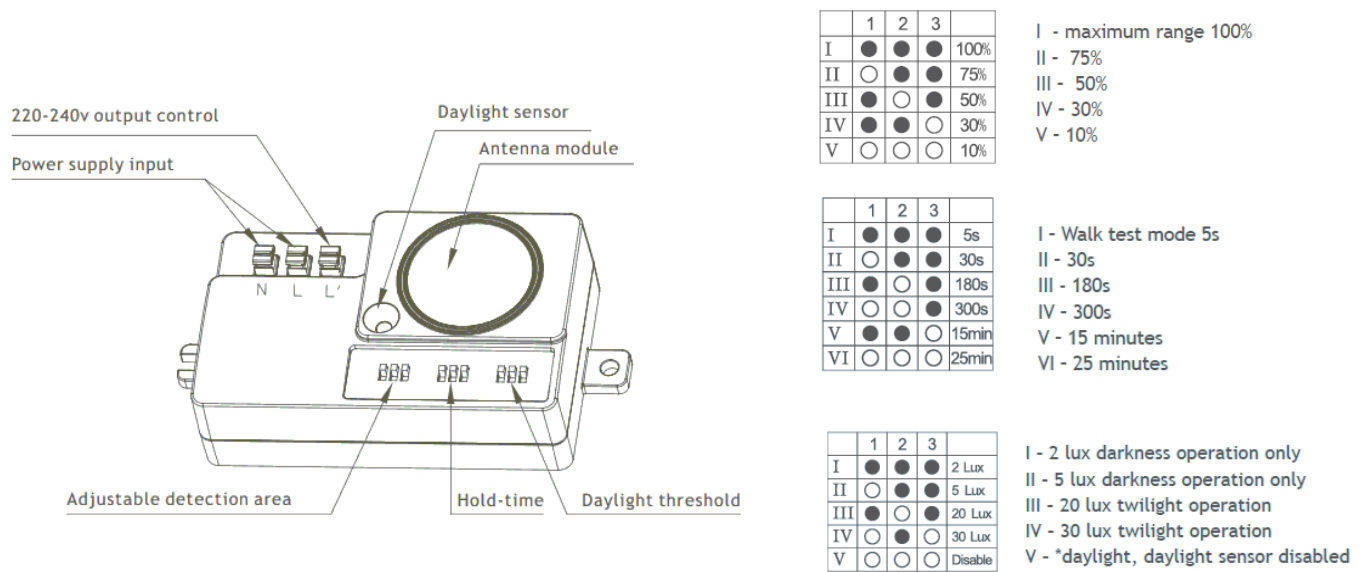


Fig 3. Internal Sensor and Setting Detail

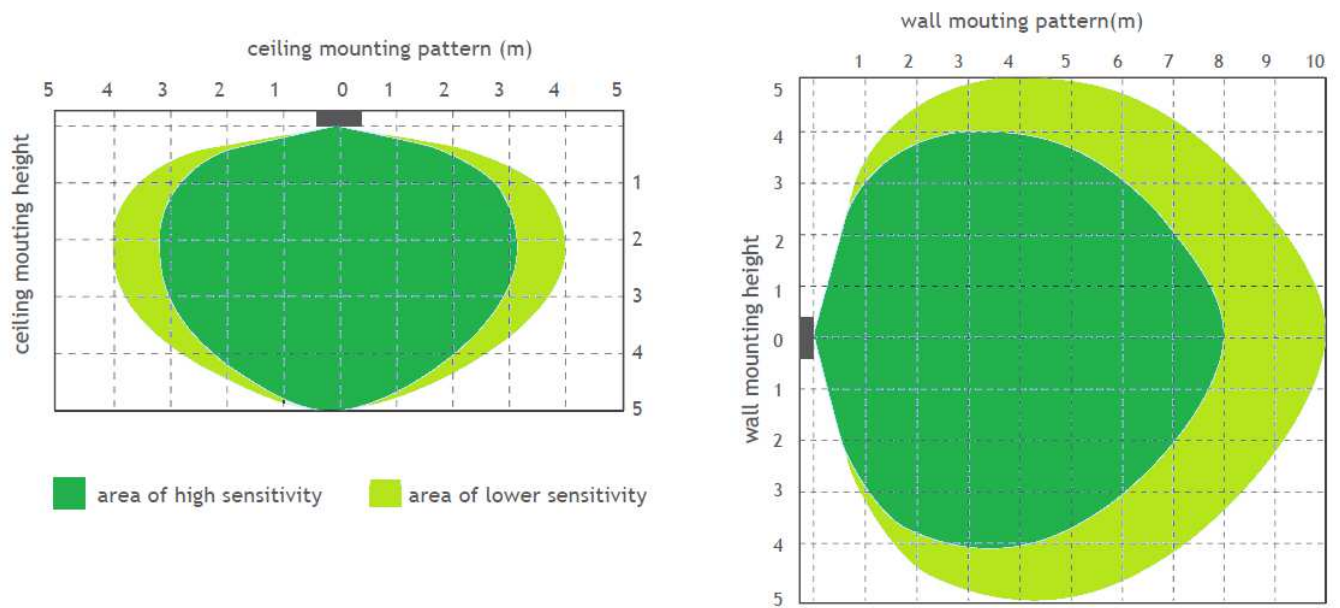


Fig 4. Detection Range