

# SENSORS | ONE-SENSE™

## OS/10.5™ | ON/OFF FUNCTION MICROWAVE PRESENCE DETECTOR



### Product description

OS/10.5 is a UK designed and built microwave presence detector capable of intelligent ON/OFF switching control of either LED, fluorescent or incandescent lamps making it suitable for use in most indoor lighting applications.

Their radar Doppler technology operates within the protected 10.5-10.6GHz band achieving a detection range of 4 to 6m in typical office environments, whilst also providing improved immunity to false detection through walls and floors compared to lower frequency units.

The compact, low-profile enclosure is ideal for fixing within a luminaire, so provides simple, reliable cost-effective means of instantly reducing lighting energy bills.

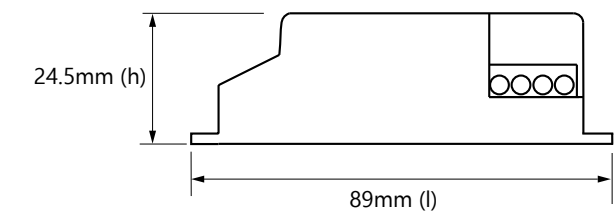
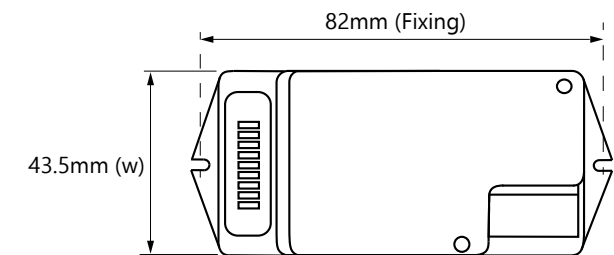
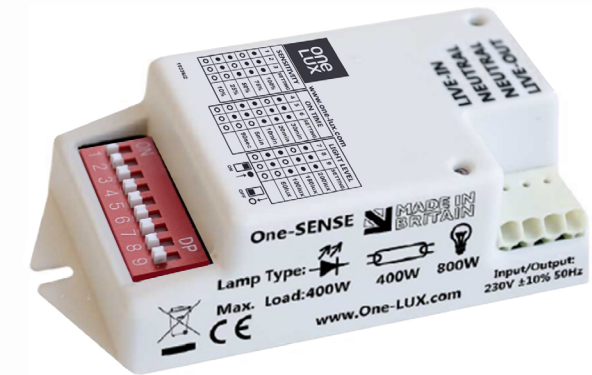
### Properties

- > Easy retrofit option for existing luminaires
- > Detects movement and presence through glass and plastic diffusers
- > Built-in Daylight sensor configurable to prohibit switching when there is sufficient daylight
- > User-configurable settings for Sensitivity, On-time and daylight threshold
- > Ultra-low power, around 1/10th of that emitted by mobile phones
- > Intelligent 'Zero-crossing mains detection' improves load switching capability for long life 50,000hrs+ operation
- > For mounting heights of 2m to 6m in internal applications\*
- > Compatible for multi-sensor operation of a single luminaire
- > Push-wire terminals for solid conductors up to 1.5mm<sup>2</sup>
- > Common neutral provided for easy input/output wiring
- > Complies with ETSI EN300 440, EN60669-1 & EN60669 Part 2\_1
- > For dimming applications, please refer to our OS ECO PRO range

\* Microwave sensors may not be suitable for certain outdoor applications

Common Technical Data	
Input Supply Voltage	230V +/- 10%
Supply Frequency	50/60 Hz
Standby/ Operating Power	1.2W/ 1.7W
Maximum Load	400W Reactive, 800W Resistive
Detection Area (Typical)	4 - 6m Radius at 2.5m Ceiling Height)
Operating Temperature	0° to 50°C
Operating Frequency	10.587GHz
Sensitivity Settings	100, 75, 50, 25, 10%
On-time Settings	5s, 90s, 5min, 10min, 20min & 30min
Daylight Threshold settings	Disable, 50, 100, 150 & 200 Lux
IP Rating	IP20
Weight	50g

Model Number	Standard Pack Quantities	Weight
OS/10.5	100	5.5kg



[Download 3D model](#)



Product specifications may be subject to change without prior notice.

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