

MICROWAVE PRESENCE DETECTORS

Microwave presence detectors provide automatic control of lighting, heating and ventilation. With detection ranges up to 30 metres, microwave detectors are ideal for controlling appliances over large areas. The products have no external lenses making them unobtrusive and vandal resistant. A major benefit with the microwave sensors in this range is that no external control boxes are required, making the units easy to install and cost effective.

APPLICATIONS

- Corridors
- Schools
- Offices
- Industrial warehouses
- Toilets
- Stairwells
- Universities
- Retail

KEY FEATURES AND BENEFITS

Up to 30m detection	Low no. of detectors required to cover a large area
No external lenses	Vandal resistant
Wall or ceiling options	Versatile mounting
Excellent detection	Large area coverage
Adjustable time delay	Holds load on until occupant is no longer detected
Self contained unit	No external control boxes, minimises installation time
Volt free contact option	Suitable for BMS and control applications
IP rated option	Used for control in damp environments

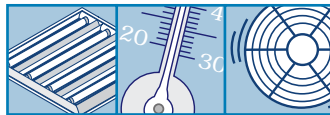
OPTIONS AVAILABLE

A built in adjustable light level sensor which will keep the lighting switched off if there is sufficient natural light.

MWS-1 WALL MOUNTED MICROWAVE DETECTOR

With a detection range of up to 30 metres the wall mounting microwave sensor is ideal for controlling lighting, heating and ventilation over large areas, especially corridors. The unit mounts directly on to a British standard switch box. It has no external lenses giving the unit the appearance of a standard accessory blank plate. The unit has an integral sensitivity and time adjustment.

DETECTION RANGE DIAGRAM ON PAGE 26



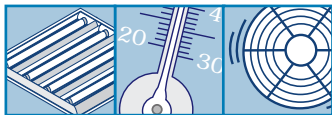
ORDER CODE	DESCRIPTION	LOAD RATING AT 230VAC				TIME DELAY
		Resistive	Incandescent	Fluorescent	Compact Fluorescent	
MWS-1	Microwave presence detector with 30m detection range	10A	10A	10A	10A	15 sec- 30 min
MWS-1/FVF	Microwave presence detector with voltage free output contact	10A	10A	10A	10A	15 sec- 30 min
MWS-1/LUX	Microwave presence detector with 30m detection range c/w lux level adjustment	10A	10A	10A	10A	15 sec- 30 min
MWS-1/FVF/LUX	Microwave presence detector with voltage free output contact c/w lux level adjustment	10A	10A	10A	10A	15 sec- 30 min
MWS-IPK	Weatherproofing kit to IP65					

MWS-1/C

CEILING MOUNTED MICROWAVE PRESENCE DETECTOR

The ceiling mounted microwave presence detector has a major advantage over standard ceiling mounted PIR presence detectors. The sensitivity of the unit gives a full 10 metre (at 2.5m height) detection range, which means that any blind spots are easily covered using this sensor. The unit mounts directly on to a British standard switch box. It has no external lenses giving the unit the appearance of a standard accessory blank plate. The unit has an integral sensitivity and time adjustment.

DETECTION RANGE DIAGRAM ON PAGE 26



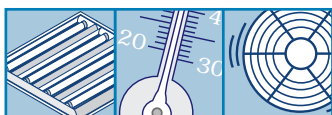
ORDER CODE	DESCRIPTION	LOAD RATING AT 230VAC				TIME DELAY
		Resistive	Incandescent	Fluorescent	Compact Fluorescent	
MWS-1/C	Microwave presence detector ceiling mount 10m	10A	10A	10A	10A	15 sec- 30 min
MWS-1/C/LUX	Microwave presence detector ceiling mount 10m c/w lux level adjustment	10A	10A	10A	10A	15 sec- 30 min
MWS-IPK	Weatherproofing kit to IP65					

MWS-1/IP AND MWS-1/C/IP

IP RATED MICROWAVE PRESENCE DETECTOR

This range of microwave presence detectors has the same operation as MWS-1 and MWS-1/C but the units are mounted in IP66 enclosures for damp or industrial environments.

DETECTION RANGE DIAGRAM ON PAGE 25-26



ORDER CODE	DESCRIPTION	LOAD RATING AT 230VAC				TIME DELAY
		Resistive	Incandescent	Fluorescent	Compact Fluorescent	
MWS-1/IP	IP66 microwave presence detector with 30m range	10A	10A	10A	10A	15 sec- 30 min
MWS-1/IP/LUX	IP66 microwave presence detector with 30m range c/w lux level adjustment	10A	10A	10A	10A	15 sec- 30 min
MWS-1/C/IP	IP66 microwave presence detector with 10m range	10A	10A	10A	10A	15 sec- 30 min
MWS-1/C/IP/LUX	IP66 microwave presence detector with 10m range c/w lux level adjustment	10A	10A	10A	10A	15 sec- 30 min

Please note:
Special voltages available. Please contact our sales office for information.

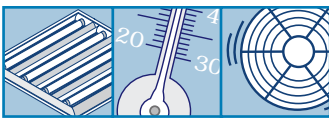
MWS-3

MULTI-SENSE MICROWAVE PRESENCE DETECTOR

Unlike fixed head sensors, the MWS-3 Multi-Sense offers a unique presence detection capability by using an adjustable sensor head. By changing the angle of the sensor head different detection patterns can be achieved for different area coverage. For example with the sensor head flush in the detector housing, a coverage of 8m x 22m can be achieved; ideal for open plan areas e.g. offices and classrooms. If the detector head is angled at 80° then a detection of 8m x 30m can be achieved, ideal for corridors and aisles. An integral sensitivity adjustment allows the sensor to be fine tuned to the environment.

Added features of the product include a built in infrared sensor which allows the user to override the lights to on or off and a built in adjustable light level sensor which will keep the lighting switched off if there is sufficient natural light. On the absence version of the detector an additional switch input is provided for manual on/auto off. The detector can be mounted either flush into a ceiling tile or on the surface using the integral fixing plate.

DETECTION RANGE DIAGRAM ON PAGE 26-27



The benefits of having accurate but flexible detection patterns are:

- Unobtrusive detection
- Ease of installation
- Reduced installation costs
- Reduced number of sensors
- Highly sensitive detection reduces nuisance turn offs

ORDER CODE	DESCRIPTION	LOAD RATING AT 230VAC				TIME DELAY
		Resistive	Incandescent	Fluorescent	Compact Fluorescent	
MWS-3	Multi-sense microwave presence detector	10A	10A	10A	10A	15 sec- 30 min
MWS-3-L3	Multi-sense microwave presence detector pre-wired with 3m lead	10A	10A	10A	10A	15 sec- 30 min
MWS-3/ABS	Multi-sense microwave presence detector with absence function	10A	10A	10A	10A	15 sec- 30 min
MWS-3-L3/ABS	Multi-sense microwave presence detector pre-wire 3m lead with absence function	10A	10A	10A	10A	15 sec- 30 min
UHS3	User handset override on/off					
	UK Patented. No. 0411069.8					

QUICK FIT INSTALLATION

CEILING TILE

Multi-sense can be mounted into a ceiling tile using a flush mounting clip which comes as standard. This can be adjusted to suit different depths of ceiling tile.



1. Cut hole and mount flush mounting clip



2. Set timing and light level and plug in connections



3. Fix into ceiling clip

SURFACE MOUNTING

Multi-sense can be surface mounted using the optional surface mounting box, which mounts onto a BESA box or directly onto the ceiling surface. Knockouts are provided for mini trunking access.



1. Mount surface box onto the ceiling, and remove minitrunking knockout



2. Set timing and light level and plug in connections



3. Fix into detector box