MWS3A

Head can be angled to suit the detection pattern required

PATENTED DESIGN

Unlike fixed head microwave detectors the MWS3A offers a unique presence/absence detection capability by using an adjustable head.

This incorporates an innovative locking mechanism to prevent tampering. By changing the angle of the head, different detection patterns can be achieved to suit the application. An integral sensitivity adjustment allows the detector to be fine tuned to its environment. The detector is self contained and can be flush or surface mounted using a separate detector back box.

Key Product Features

Unique adjustable head design
Locking mechanism to prevent tampering
Can be flush or surface mounted

Switching Detectors

PRM version functionality	PRM
Switching with lux level sensing (IR handset adjustment)	
Active photocell	
Time delay function	
Presence detection switching	
Absence detection switching	
Programmable via IR handset	
Adjustable detection sensitivity	
On/off override via optional IR handset	
Manual on/off override via switch input	

Dimming Detectors

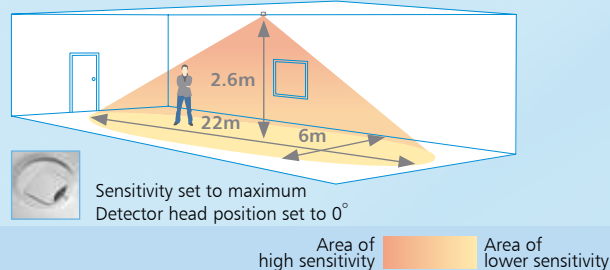| DD and AD version functionality (in addition to PRM)	
Dimming functionality	
Two channel flexibility	
Step-down illuminance	
Maintained illuminance (daylight harvesting)	
Burn in feature for fluorescent tubes	
Control of DALI, DSI or 1–10V loads depending on product	
Integral relay to reduce parasitic power	
Suitable for all lighting types	
Manual dimming with IR	
Manual dimming with switch inputs	

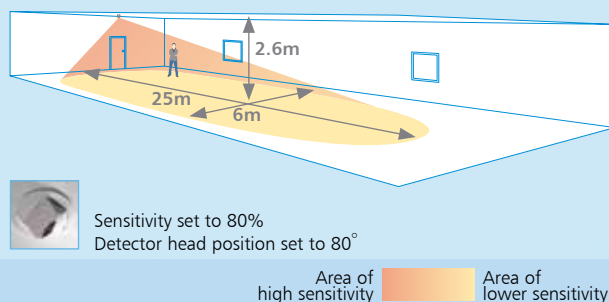| Selected switching detectors are available with the following options |
|---|
| Low voltage 12–24V AC/DC |
| Voltage free contact |
| 2 channel |
| 2 channel normally closed for fail-safe applications |
| Contact our sales office for the variants available |

Detection Pattern – e.g. corridors

2.6m
6m
30m

Sensitivity set to maximum
Detector head position set to 80°

Area of high sensitivity | Area of lower sensitivity
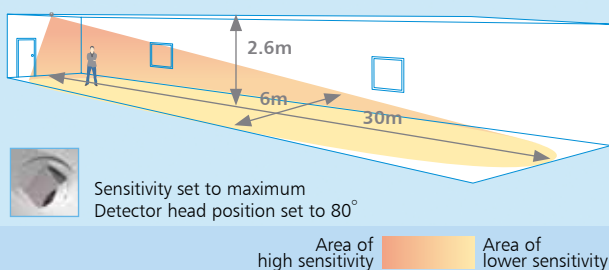
Detection Pattern – e.g. mid-sized office

2.6m
22m
6m

Sensitivity set to maximum
Detector head position set to 0°

Area of high sensitivity | Area of lower sensitivity

Detection Pattern – e.g. large office or classroom

2.6m
25m
6m

Sensitivity set to 80%
Detector head position set to 80°

Area of high sensitivity | Area of lower sensitivity

Dimensions

90°
85
92
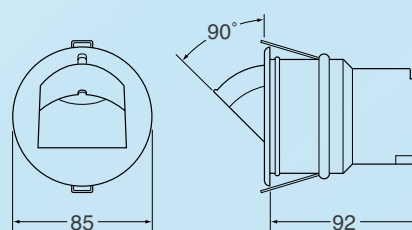
All dimensions in mm

	Order Code	Description	Load Rating at 230VAC					Time Delay
			R	I	F	CF	LED	
PRM	MWS3A-PRM	Adjustable head microwave presence/absence detector with lux level sensing, infrared override and time delay function	10A	10A	10A	10A	10A	10s–99m
	MWS3A-PRM-L3	Adjustable head microwave presence/absence detector with lux level sensing, infrared override, time delay function and 3m lead	10A	10A	10A	10A	10A	10s–99m
	MWS3A-DD	Adjustable head microwave presence/absence detector with Direct Dim and time delay function. (up to 20 ballasts). DALI/DSI	10A	10A	10A	10A	10A	10s–99m
	MWS3A-AD	Adjustable head microwave presence/absence detector for 1–10V analogue dimming output (up to 10 ballasts)	10A	10A	10A	10A	10A	10s–99m

R = Resistive   **I** = Incandescent   **F** = Fluorescent   **CF** = Compact Fluorescent

	Accessories	Description	
	UNLCDHS	Professional commissioning handset. See page 16	
	UHS5	Commissioning handset. See page 15	
	UHS6	Building manager's handset. See page 15	
	UHS7	User handset. See page 15	
	MWS3A-DBB	Surface mount back box	
	MWS3A-DBB-WBRKT	Wall mounting bracket for MWS3A series	
	MWS3A-VPPC	Wall mounted clear protective cover. Use in conjunction with the wall mounting bracket	
	MWS3A-DBB-EXT	Surface mount back box extender	