

MWS6 | Compact, flush mounted, ceiling, microwave presence/absence detectors



The MWS6 is a mid-range microwave presence/absence detector for the automatic control of lighting, heating and ventilation.

Key Product Features:

- Low profile design
- Self contained unit
- Pluggable
- IP40 rated.

Available control methods

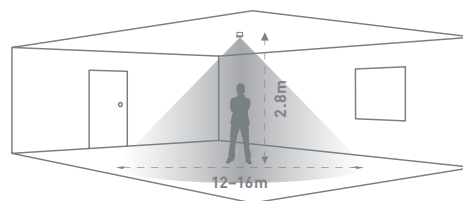
- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming
- KNX

Available options

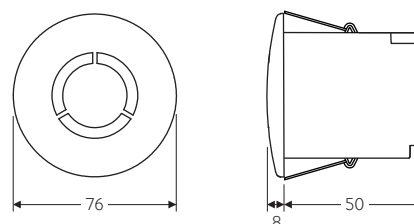
- LV – Low voltage
- VFC – Voltage free contact
- 2CH – 2 channel
- 2CH-NC – 2 channel normally closed for fail safe applications

Detection pattern

high < sensitivity > low







Dimensions (mm)



Technical Data

Part Code	MWS6-PRM	MWS6-DD	MWS6-AD
Control method	PRM Switching	DALI/DSI Digital Dimming	1–10V Analogue Dimming
IP rating	40	40	40
Device/ballast control	–	up to 20 drivers/ballasts	up to 10 drivers/ballasts
Weight (kg)	0.15	0.15	0.15
Supply voltage (AC)	230 VAC +/- 10%	230 VAC +/- 10%	230 VAC +/- 10%
Supply frequency (Hz)	50	50	50
Power consumption parasitic (mW)	665mW	–	690mW
Terminal capacity	2.5mm ²	2.5mm ²	2.5mm ²
Maximum loads			
Incandescent lighting (INC)	10A	10A	10A
Fluorescent lighting (F)	10A	10A	10A
Compact fluorescent lighting (CF)	10A	10A	10A
LED lighting (LED)	10A	10A	10A
Resistive heaters (RH)	10A	10A	10A
Working temperature range (°C)	-10 to 50	-10 to 50	-10 to 50
Humidity	5 to 95% non-condensing	5 to 95% non-condensing	5 to 95% non-condensing
Material (casing)	Flame retardant ABS and PC/ABS	Flame retardant ABS and PC/ABS	Flame retardant ABS and PC/ABS
Insulation class	Class 2	Class 2	Class 2
Compliance	EMC-2014/30/EU, LVD-2014/35/EU	EMC-2014/30/EU, LVD-2014/35/EU	EMC-2014/30/EU, LVD-2014/35/EU
Time out range	10s–99m	10s–99m	10s–99m
Cutout diameter	64mm	64mm	64mm
Microwave frequency	5.8 GHz	5.8 GHz	5.8 GHz
Installation	Independent flush mounted, electronic control	Independent flush mounted, electronic control	Independent flush mounted, electronic control

	<p>CP Electronics A Business unit of Legrand Electric Limited, Brent Crescent, London NW10 7XR, UK t. +44 (0)333 900 0671 info@cpelectronics.co.uk</p>	<p>Important notice:</p> <p>This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and the applicable Building Regulations.</p> <p>Due to our policy of continual product improvement CP Electronics reserves the right to alter the specification of this product without prior notice.</p> <div>   </div>
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