

Troubleshooting

What if the load does NOT turn ON.

Check to see if the live supply to the circuit is good.

What if the load does NOT turn OFF

Ensure that the area is left unoccupied (no movement in the area) for a greater time period than the time out period set on the dip switches.

Ensure MW2A IP67 is not in close proximity to vibrating surfaces or objects (eg. ventilation equipment).

MW2A IP67 can detect movement through thin partitions or walls - reduce the sensitivity.

Precautions and Warranty

This product conforms to BS EN 60669-2-1.

Please ensure the most recent edition of the appropriate local wiring regulations are observed and suitable protection is provided e.g. 6 amps over current, 1kV over voltage. Please ensure that this device is disconnected from the supply if an insulation test is made.

This product is covered by a warranty which extends to 5 years from the date of manufacture.

Products available from DANLERS

- PIR occupancy switches • Daylight linked dimmers • Manual high frequency dimmers
- Photocells • Radio remote controls • Time lag switches • Outdoor security switches
- Dimmers • Heating, ventilation and air-conditioning controls • Bespoke / O.E.M. products

Please call for more information or a free catalogue, or visit our website.

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DANLERS

Installation notes

Wall or ceiling mounted IP 67 rated Microwave presence detector switch - 2amp

MW2A IP67

The DANLERS MW2A IP67 microwave presence detector can be wall or ceiling mounted and is designed for the automatic switching of lighting, heating and air conditioning loads.

The sensor detects movement within its range of detection by emitting low power microwave signals and measuring the reflections as the signal reflects off moving objects such as people moving through a room.

When movement is detected, the load switches on. If no more movement is detected within a certain time, the MW2A IP67 will switch the load off. The time can be set via the internal dip switches (see overleaf).

MW2A IP67 has a 25mm glanded cable entry or the supplied 20mm gland adaptor can be used.

Technical data

Operating voltage:	220-240V 50/60Hz
Loading:	Switches up to 500W of most types of load.
Detection area:	10 / 30 / 50 / 75 / 100%
Time Lag:	5sec, 30sec, 1min, 5min, 20min, 30min
Sensor type:	Microwave motion detection
Detection range:	12m x 6m maximum
Detection angle:	30 - 150 degrees
Mounting height:	6m maximum
Operating Temperature:	t _{amb} -35°C...+70°C
IP rating	IP67

Installation procedure

- Please read these notes carefully before commencing work.
In case of doubt please consult a qualified electrician.
- Make sure the power is isolated from the circuit.**
TO ACCESS THE TERMINALS: Remove the enclosure lid by quarter turning the four turn screws to the '0' position.
The Microwave detector should be connected to the terminal block as shown in diagram C:
Brown L Live in
Blue N Neutral in
Orange L' Switched Live out
- To ensure an IP67 rating, mount the enclosure using only the four fixing holes provided, use a circular cable of diameter 6-12mm, fit the seal provided into the groove within the enclosure lid.

Detection area

The detection area can be refined to your specific requirement by selecting the appropriate combination of the internal DIP switches. The external housing has to be removed to access the DIP switches - **Make sure the power is isolated from the circuit.**

	1	2	3	
I	●	●	●	100%
II	○	●	●	75%
III	○	●	○	50%
IV	○	○	●	30%
V	○	○	○	10%

I – maximum range 100%
II – 75%
III – 50%
IV – 30%
V – 10%

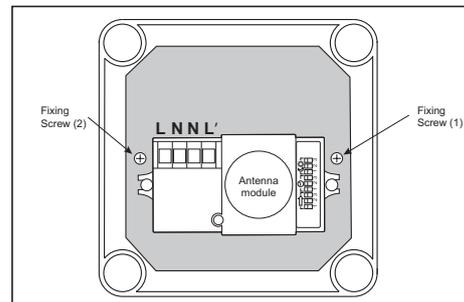
Time Lag (Hold time)

The time lag is the time period you would like to keep the load on after a person has left the detection area.

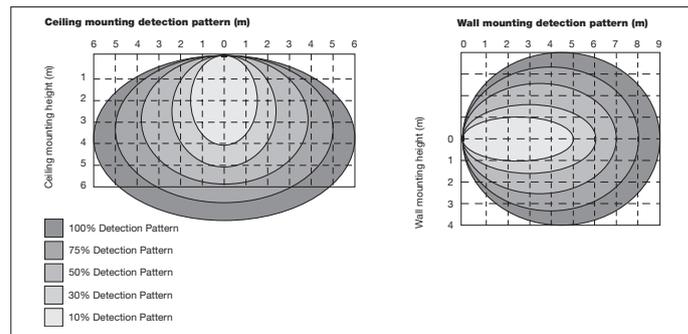
	1	2	3	
I	●	●	●	5s
II	●	○	●	30s
III	●	○	○	3 min
IV	○	●	●	5 min
V	○	○	●	15 min
VI	○	○	○	25 min

I – Walk test mode 5s
II – 30s
III - 1 minute
IV – 5 minutes
V – 20 minutes
VI – 30 minutes

A: Product diagram



B: Detection diagram



C: Wiring diagram

