

Orion Range Occupancy Detectors

- Microwave & Infra-Red Presence Detectors

**GREEN
BROOK**
ELECTRICAL

TECHNICAL DATA SHEET

- + Suitable for LED and energy saving lamps
- + Ceiling mounted
- + Detection range 360°
- + Adjustable time delay
- + Adjustable ambient light
- + Microwave sensor
- + LEDs upto 300W



ODM200
Microwave Presence Detector
- IP20

- + Suitable for LED and energy saving lamps
- + Adjustable Detection Range
Ceiling 360° / Wall 180°
- + Adjustable time delay
- + Adjustable ambient light
- + Microwave sensor
- + LEDs upto 300W









ODM201
Microwave Presence Detector
- IP20

- + Suitable for LED and energy saving lamps
- + Surface mounted
- + Detection range 360°
- + Adjustable time delay
- + Adjustable ambient light
- + PIR motion sensor
- + LEDs upto 1000W



ODPS300
Infra-Red Presence Detector
- IP20

	ODM200	ODM201	ODPS300
Description	Microwave Presence Detector Ceiling Mounted	Microwave Presence Detector Adjustable	Infra-red Presence Detector Surface Mounted
Barcode	5012739642746	5012739642753	5012739642784
Rated Voltage	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz
IP Rating	IP20	IP20	IP20
Ambient Light	<3-2,000 LUX (adj)	<3-2,000 LUX (adj)	<3-2,000 LUX (adj)
Time Delay	Min 10 Sec ± 3 Sec Max 12 Min ± 1 Min	Min 10 Sec ± 3 Sec Max 12 Min ± 1 Min	Min 10 Sec ± 3 Sec Max 30 Min ± 2 Min
Rated Load	Max 1200W  Max 300W  /LED	Max 1200W  Max 300W  /LED	Max 2000W  Max 1000W  /LED
Detection Range	360°	Ceiling 360°/ Wall 180°	360°
Detection Distance	1 - 8M Adjustable	Ceiling = 1- 8M (Radius)adj Wall = 5-15M adj	20M Max (<24°C)
Working Humidity	<93%RH	<93%RH	<93%RH
Working Temp	-	-	-20°C to +40°C
Transmission Power	<0.2mW	<0.2mW	-
HF System	5.8GHz CW Radar, ISM band	-	-
Power Consumption	0.9W approx	0.9W approx	0.5W approx
Installation Height	1.5 - 3.5 Metres	Ceiling = 1.5 - 3.5M Wall = 2 - 8M	2.2 - 6 Metres
Detection Moving Speed	0.6 - 1.5 m/s	0.6 - 1.5 m/s	-
Product Weight	96g	43g	138g
Cut Out	65Ømm	-	-
Dimensions	76Ømm Total Depth: 75.4mm Ceiling Protrusion: 17.2mm	54.5 x 39.4 x 25mm	102.5 x 102.5 x 58.3mm
Guarantee	1 Year		
Conforms To	BS EN 60669		BS EN 61058-1

Orion Range - ODM200 / ODM201 / ODPS300 Circuit Diagram



ODM200
Microwave Presence Detector
- Ceiling Mounted



ODM201
Microwave Presence Detector
- Adjustable



ODPS300
Infra-Red Presence Detector
- Surface Mounted

See circuit diagram if you are planning to use two sensors for one circuit.

