

DD669AM

360° Ceiling Mount Dual Motion Sensor, 20 m, Anti mask

18 curtains of detection

The DD600 series complement the successful EV600 series PIRs with dual technology motion sensors. The 18 curtains offer a maximum detection capability, including full under crawl detection, throughout a protected area of up to 20m in diameter. The unique mirror optics technology is a gliding focus, which creates continuous curtains that never loses track of the intruder.

4D signal processing

4D signal processing makes an effective discrimination between intruder and false alarm signals. Recognizing the diversity in security applications, the DD600 series features both 4D signal processing and Bi-curtain processing for the harsher environments.

The combination of mirror optics with 4D signal processing not only provides better detection but also increased stability and rejection of false alarms.

Range Controlled Radar

The DD600 sensors incorporate a unique radar technology that is range controlled and operates on 5.8GHz frequency. The range control means that no nuisance alarms are generated for movements beyond the detection pattern.

Flush Mounting

The EV600 and DD600 motion sensors can be flush mounted with the optional accessory 360FM. The 360FM ensures a neat integration in the ceiling, making only the top part of the sensor visible.



Standard Features

- Dual motion sensor
- Automatic reporting of all masking attempts
- Step & Gliding Focus Multi Curtain mirror optic
- Range controlled radar on 5.8 GHz
- Plug-in electronics
- Sealed optics
- 4D processing for reduced nuisance alarms
- Selectable coverage pattern using mirror masks
- Additional bi-curtain processing for harsh environment
- No adjustment required for different mounting heights
- EN50131-2-4 Grade 3 certified
- Several European approvals

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Specifications

General	
Technology	Dual
Application type	Ceiling Mount
Anti masking	Yes
Pet immune	No
Camera	No
Pry-off tamper kit	On board
Detection	
Max. detection range	20 m
Coverage (field of view)	360°
Undercrawl protection	No
No. of curtains	18
Microwave frequency (nom.)	5.8 GHz
Max. microwave output (at 1m)	0.003 μ W/cm ²
Alarm memory	Yes
Alarm time	3 sec
Target speed range	0.2 to 3.0 m/s
Peak-to-peak ripple immunity	2V (at 12 VDC)
Wired/wireless	
Wired-wireless	Wired
Inputs/outputs	
Alarm relay characteristic	NC when energised
Tamper relay characteristic	NC when cover closed
Anti mask relay characteristic	NC, 80 mA 30 VDC, Form A
Relay configuration	Isolated or 4k7 EOL
Remote control lines	Day/Night, Walk test
Electrical	
Operating voltage	9 to 15 VDC
Power supply type	12 VDC
Power supply value	9 to 15 VDC (12V nominal)
Current consumption	12 mA
Physical	
Physical dimensions	138 x 92 mm
Colour	White
Mounting height	2.5 to 5 m
Environmental	
Operating temperature	-10 to +55°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
Standards & regulation	
EN50131 grade	Grade 3
Detection range	
	20 m (65 ft) / 12m (39 ft)
Undercrawl protection	
	Yes
Microwave frequency	
	5.8 GHz
Coverage field of view	
	360° or 180°
Coverage pattern selection	
	Curtain labels
Mounting height	
	2.5 m to 5 m (8.2 ft to 16.4 ft)
Power supply	
	9 to 15 VDC
Current consumption (nom.)	
	19 mA
Alarm relay (voltage free)	
	NC when energised
Tamper relay (voltage free)	
	NC when cover closed
AM relay characteristics	
	80 mA at 30 VDC max.
Remote control lines	
	Walk test & Day-Night
Alarm memory	
	Yes
Dimensions (Ø x D)	
	138 x 92 mm (5.43 x 3.62 in.)
Ambient conditions	
	-10 to +55°C; 95% relative humidity
Pry-off tamper	
	On board
EN50131-2-4	
	Grade 3

Ordering Information

Part No.	Description
DD669AM	360° Ceiling Mount Dual Motion Sensor, 20 m, Anti mask
360FM	Ceiling mount bracket for EV600 and DD600 Series
DD666AM-D	Dual/AM detector with 18 curtains of 20m, CO relay, VdS class-B certified

