DD669

360° ceiling mount, Dual motion sensor, 20 m

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 20 m 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 5.8 GHz 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.



Details

- Dual motion sensor
- 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 2 certified
- Several European approvals

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Technical specifications

General

Technology	Dual
Application type	Ceiling mount
Anti masking	No
Pet immune	No
Camera	No
Signal processing	4D
Pry-off tamper kit	ST400 (optional)

Detection

Max. detection range	20 m
Detection range	20 m / 12 m 65 ft / 39 ft
No. of curtains	18
Coverage (field of view)	360° or 180°
Microwave frequency (nom.)	5.8 GHz
Max. microwave output (at 1m)	0.003 µW/cm²
Undercrawl protection	No
Target speed range	0.3 to 3.0 m/s
Alarm memory	Yes
Alarm time	3 s
Peak-to-peak ripple immunity	2 V (at 12 VDC)

Wired / wireless

Wired / wireless	Wired

Inputs / outputs

Alarm relay characteristic	NC when energised
Tamper relay characteristic	NC when cover closed
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 (12 V 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

Regulatory

EN50131 Grade	Grade 2
Certification	VdS



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