

# DD669

## 360° Ceiling Mount Dual Motion Sensor, 20 m

### 18 curtains of detection

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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

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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

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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

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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

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- 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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## 360° Ceiling Mount Dual Motion Sensor, 20 m

### 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
Coverage (field of view)	360° or 180°
Undercrawl protection	No
No. of curtains	18
Microwave frequency (nom.)	5.8 GHz
Max. microwave output (at 1m)	0.003 $\mu\text{W}/\text{cm}^2$
Alarm memory	Yes
Alarm time	3 sec
Target speed range	0.3 to 3.0 m/s
Peak-to-peak ripple immunity	2V (at 12 VDC)

#### Wired/wireless

Wired-wireless	Wired
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#### 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 (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% non-condensing
Environment	Indoor

#### Standards & regulation

EN50131 grade	Grade 2
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