



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.



Details

- 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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Technical 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 |
| Detection range | 20 m / 12 m |
| Coverage (field of view) | 360° or 180° |
| Undercrawl protection | Yes |
| 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 | 0.2 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 | 19 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 3 |
|---------------|---------|



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