

# DD669AM

20m ceiling mount dual/AM  
motion sensor



## OVERVIEW

The DD669AM's is a dual technology ceiling mount motion sensor with anti-masking. It will prevent attempts to mask the sensor while reporting these attempts to the panel. Its 18 curtains offer maximum detection including full undercrawl detection capability throughout a protected area of up to 20m in diameter. The unique mirror optics technology is a step and gliding focus, which creates continuous curtains that never loses track of the intruder.

The DD669AM features "4D signal processing" which makes an effective discrimination between intruder and false alarm signals. Recognizing the diversity in security applications, the DD669AM also features Bi-curtain processing for 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.

The DD669AM 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.

The DD669AM 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.

## FEATURES

- Dual motion sensor
- Automatic reporting of all masking attempts
- Step & Gliding Focus Multi Curtain mirror optic
- Range controlled radar on S-band
- 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
- Complies with EN50131-2-4 Grade 3
- Several European approvals

# DD669AM

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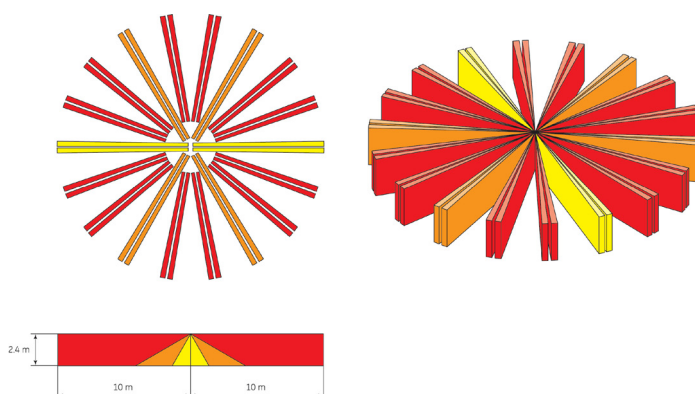
## 20m ceiling mount dual/AM motion sensor

### Detection coverage flexibility

The DD669 provides considerable flexibility by the simple electronic field programming of either 180 or 360 coverage patterns. Further customisation, to allow for false alarm hazards such as heaters, machinery, etc., can be achieved through individual curtain masking enabling the installer to configure the detector to suit the application.

### SPECIFICATIONS

<b>Detection range</b>	20m
<b>Undercrawl protection</b>	Yes
<b>Microwave frequency</b>	5.8 GHz
<b>Coverage field of view</b>	360° with 18 curtains
<b>Coverage pattern selection</b>	Curtain labels
<b>Mounting height</b>	2.5 m to 5 m (8.2 ft to 16.4 ft)
<b>Power supply</b>	9 to 15 VDC
<b>Current consumption (nom.)</b>	12 mA
<b>Alarm relay (voltage free)</b>	NC when energised
<b>Tamper relay (voltage free)</b>	NC when cover closed
<b>AM relay characteristics</b>	80 mA at 30 VDC max.
<b>Remote control lines</b>	Walk test & Day-Night
<b>Alarm memory</b>	Yes
<b>Range diameter (selectable)</b>	20+/-0.5 m, 12+/-0.5 m
<b>Dimensions (Ø x D)</b>	138 x 92 mm
<b>Ambient conditions</b>	-10 to +55°C; 95% relative humidity
<b>Pry-off tamper</b>	On board
<b>EN50131-2-4</b>	Grade 3
<b>Pry-off tamper</b>	On board
<b>EN50131-2-2</b>	Grade 3



### ORDERING INFORMATION

DD669AM	Dual/AM Detector with 18 curtains of 20 m NC Relay
360FM	Ceiling mount bracket for EV600 and DD600 Series
DD666AM-D	Dual/AM detector with 18 curtains of 20m, CO relay, VdS class-B pending

Specifications subject to change without notice.

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