

# DD669

20m ceiling mount dual technology motion sensor



## OVERVIEW

The DD669 is a dual technology ceiling mount motion sensor. 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 DD669 features "4D signal processing" which makes an effective discrimination between intruder and false alarm signals. Recognizing the diversity in security applications, the DD669 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 DD669 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 DD669 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
- 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 2
- Several European approvals

# DD669

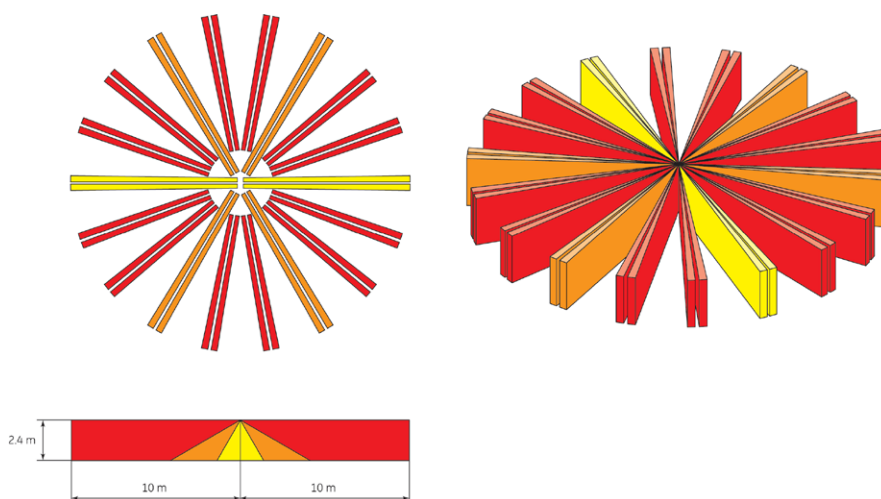
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## DETECTION COVERAGE FLEXIBILITY

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

Detection range	20 m
Undercrawl protection	Yes
Microwave frequency	5.8 GHz
Coverage field of view	360° with 18 curtains
Coverage pattern selection	Curtain labels
Mounting height	2.5 m to 5 m
Power supply	9 to 15 VDC
Current consumption (nom.)	12 mA
Alarm relay (voltage free)	NC when energised
Tamper relay (voltage free)	NC when cover closed
Remote control lines	Walk test & Day-Night
Alarm memory	Yes
Range diameter (selectable)	20+/-0.5 m, 12+/-0.5 m
Ambient conditions	-10°C to +55°C; 95% relative humidity
Pry-off tamper	ST400 (optional)
Dimensions (W x H x D)	138 x 92 mm (Ø x D)
EN50131-2-2	Grade 2



## ORDERING INFORMATION

DD669	Dual Detector with 18 curtains of 20 m NC Relay
360FM	Ceiling mount bracket for EV600 and DD600 Series
ST400	Pry-off tamper kit
DD666-D	Dual detector with 18 curtains of 20m, CO relay, VdS class-B pending



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