

# EV669

20m ceiling mount PIR motion sensor



## OVERVIEW

The EV669's 18 curtains offer maximum detection capability throughout the protected area including full undercrawl detection. Note that with the curtains, wherever an intruder intercepts a curtain, he is 100% seen by the detector and exactly fits the curtain width, thus collecting maximum infrared energy. Only with Aritech's Gliding Focus Mirror optics can the definition of the parallel curtains be achieved over the entire detection range.

The special characteristics of a "curtain" provide not only better detection but also increased stability and rejection of false alarms from temperature changes on floors and carpets

"4D" signal processing builds on the past success of the 3D processing. By expanding on the environmental filtering and extending the detection algorithms, this latest generation processing further improves on the capability to determine between valid intruders and false alarm signals. Always recognising the diverse applications that have to be protected, the EV 669/666 features both "4D" processing or Bi-curtain processing for the harsher environments. Designed specifically for use with the Gliding Focus Optics, the combination of mirror optics and ASIC technology provides you with complete peace of mind.

In order to ensure the highest performance, the EV669 incorporates 2 x pyros, 2 x ASICs, 2 x mirrors and 2 x the decision power providing the installer/user with 2 x the performance. The use of 2 separate pyros, mirrors and ASICs ensure that the detectors have an excellent signal to noise ratio. This means that you have better detection capability when you want it and better false alarm immunity when you need it.

## FEATURES

- Passive Infra Red motion sensor
- "Step & Gliding Focus Multi Curtain" mirror optic
- Plug-in electronics
- Sealed optics
- ASIC with "4D" processing
- On-site individual coverage pattern selection
- Additional bi-curtain processing for harsh environment
- No adjustment required for different mounting heights
- Complies with EN50131-2-2
- Several European approvals

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20m ceiling mount dual technology  
motion sensor

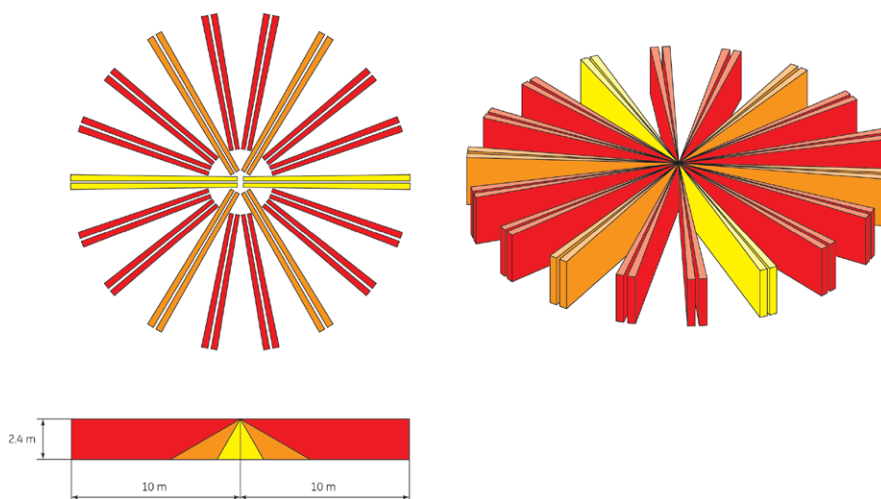
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## DETECTION COVERAGE FLEXIBILITY

The EV669 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
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.)	6 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
PIR process mode	Standard / Bi-curtain
Dimensions (W x H x D)	138 x 68 mm (Ø x D)
Ambient conditions	-10 to +55°C; 95% relative humidity
EN50131-2-2	Grade 2



## ORDERING INFORMATION

EV669	PIR Detector with 18 curtains of 20 m NC Relay
EV666	PIR Detector with 18 curtains of 20 m CO Relay
360FM	Ceiling mount bracket for EV600 and DD600 Series