EV669

360° Ceiling Mount PIR Motion Sensor

18 complete curtains of detection

The EV 669/666's 18 curtains offer maximum detection capability throughout the protected area including full undercrawl detection. Note that with the Aritech 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

By expanding on the environmental filtering and extending the detection algorithms, 4D signal processing 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 microprocessor echnology provides you with complete peace of mind.

2 x Pyros, 2 x microprocessors, 2 x Mirrors

In order to ensure the highest performance, the EV 669/666 incorporates 2 x pyros, 2 x microprocessors, 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 microprocessors 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.

Detection coverage flexibility

The EV 669/666 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.

Details

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

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Technical specifications

General

Technology	PIR
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 selection	10 m to 20 m
No. of curtains	18
Coverage (field of view)	360°
Undercrawl protection	No
Alarm memory	Yes

Wired / wireless

Wired-wireless	Wired

Inputs / outputs

Alarm relay characteristic	NC when energised (voltage free)
Tamper relay characteristic	NC when cover closed (voltage free)
Remote control lines	Day/Night, Walk test

Electrical

Operating voltage	7 to 15 VDC (12 VDC nominal)
Power supply type	12 VDC
Current consumption	9 mA (15 mA max.) (nom.)

Physical

Physical dimensions	138 x 68 mm (Ø x D)
Colour	White
Mounting height	2.5 to 5 m

Environmental

Operating temperature	-10 to +55°C
Relative humidity	95 %
Environment	Indoor

Regulatory

EN50131 grade	Grade 2
Certification	NFA2P, VdS

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