



## EV1012AM

12 m volumetric PIR/AM motion sensor

### The power of mirror

GE's unique products have the most advanced and sophisticated mirror optics in the security industry. GE's unique optical mirror technology have given you the advantages of both step and gliding focus in what is known as a hybrid mirror. The mirror segments combine to create a continuous curtain, and results that the sensor never loses track of the object.

To increase detection coverage PIR need more curtains. More curtains would means wider product and wider products have less aesthetic performance.

The 1000 series uses the 3Brid orthogonal curtain design. This is a horizontal mirror structure that forms detecting IR curtains with vertical orientation. This orthogonal invention is the key in adding curtains to the mirror without sacrifice of signal strength or nice aesthetic.



### 5D signal processing

"5D" signal processing is the next generation of processing provided by the latest combined GE's ASIC and microcontroller. This processing builds on the current strengths, which automatically evaluate the environment and switch to Bi-curtain mode, where the environment becomes noisy.

### The best PIR can be

EV1000 series is the most forgiven PIR to install as it:

1. Tolerates wall angle deviation and different mounting heights.
2. Difficult for objects to obstruct its field of vision, only partial loss of coverage occurs.
3. No range setting is required

### Complete family

The 1000 series PIR is the first in row that GE Security will offer. The new family of motions consist of different housing size, signal processing, AM or not, addressable interfacing and wireless are part of the family, fits to all application where security needs to be safeguarded.

### Standard Features

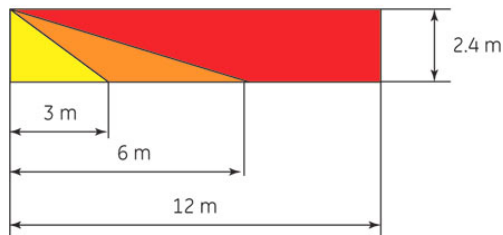
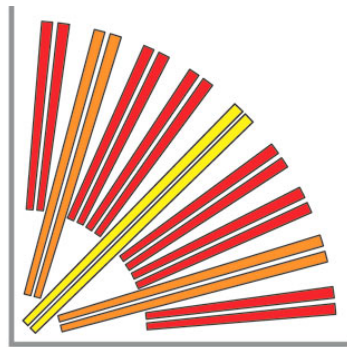
- Passive Infra Red motion sensor
- Anti Masking for all masking attempts
- 3Brid Step & Gliding Focus Multi Curtain mirror optic
- Plug-in electronics
- Sealed optics
- Microprocessor with "5D" processing
- Cloak and umbrella immunity
- On-site individual coverage pattern selection
- Sensitivity adjustment processing for harsh environment
- No adjustment required for different mounting heights
- Tolerates wall angle deviation
- Certified EN50131-2-2 Grade 3
- Several European approvals

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## Specifications

Detection range	12 m (40 ft)
Undercrawl protection	Yes
Sensitivity	Normal / High
Coverage field of view	86° with 9 curtains
Coverage pattern selection	Curtain labels
Mounting height	1.8 to 3.0 m (5.9 to 9.8 ft)
Power supply	9 to 15 VDC
Current consumption (nom.)	10 mA
Alarm relay (voltage free)	NC when energised
Tamper relay (voltage free)	NC when cover closed
Remote control lines	Walk test
Alarm memory	No
PIR signal processing	5D
Dimensions (W x H x D)	175 x 93 x 66 mm (6.88 x 3.66 x 2.60 in.)
Ambient conditions	-10 to +55°C (14 to 130°F); 95% relative humidity
Pry-off tamper	Optional
EN50131-2-2	Grade 3



## Ordering Information

Part No.	Description
EV1012AM	PIR, DSP, 12m, 9curtains
EV1012AMZ	PIR/AM, DSP, 12m, 9curtains, no alarm memory and no NC relay
SB01	Wall/ceiling mount bracket ( $\pm 45^\circ$ horizontal, $0^\circ$ or $-5^\circ$ vertical)



[www.gesecurity.net](http://www.gesecurity.net)

As a company of innovation, GE Security reserves the right to change product specifications without notice. For the latest product specifications, visit GE Security online or contact your GE Security sales representative.

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