



## EV1012

12 m volumetric PIR motion sensor

### The power of mirror

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GE's motion sensors have the most advanced and sophisticated mirror optics in the security industry. This unique optical mirror technology is a step and gliding focus which creates a continuous curtain resulting in a sensor that never loses track of the object.

To increase detection coverage, the 1000 series sensors use the 3Brid orthogonal curtain design. This is a horizontal mirror structure that creates curtains with vertical orientation which detect IR. This orthogonal invention is the key in adding curtains to the mirror without sacrificing signal strength nor increasing the size of the sensor.

### 5D signal processing

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

### The best a PIR can be

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EV1000 series is the most forgiving 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

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The 1000 series PIR is the first in range that GE Security will offer. The new family of motion detectors provides different housing sizes and signal processing, PIR or PIR/AM, conventional or addressable interfacing and wireless. The series fits to all applications where security needs to be safeguarded.



### Standard Features

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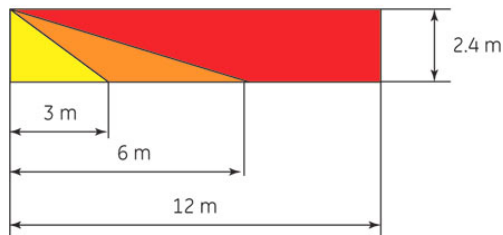
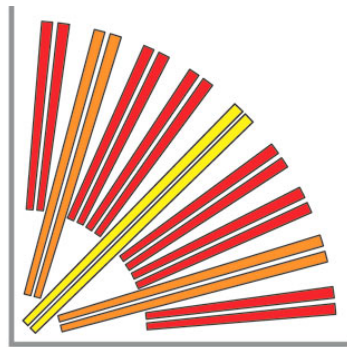
- Passive Infra Red motion sensor
- 3Brid Step & Gliding Focus Multi Curtain mirror optic
- Plug-in electronics
- Sealed optics
- Microprocessor with "5D" processing
- Cloak and umbrella immunity
- On-site individual coverage pattern selection
- Sensitivity adjustment processing for harsh environment
- No adjustment required for different mounting heights
- Tolerates wall angle deviation
- Certified EN50131-2-2 Grade 2
- 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 (6 to 10 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)	108 x 60 x 46 mm
Ambient conditions	-10 to +55°C (14 to 130°F); 95% relative humidity
Pry-off tamper	Optional
EN50131-2-2	Grade 2



## Ordering Information

Part No.	Description
EV1012	PIR, DSP, 12m, 9curtains
EV1012Z	PIR, DSP, 12m, 9curtains, single core connection
EV1012PI	PIR, DSP, 12m, 9curtains, pet immune
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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