



EV1012

12 m volumetric PIR motion sensor

The power of mirror

GE Security motion sensors have the most advanced and sophisticated 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 produces curtains with vertical orientation to detect infrared. 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

"5D" is the next generation of GE Security signal processing. It builds on the current strengths of 4D, but adds an intelligent differentiation between fast and slow moving signals.

When a slow thermal source is detected, the signal processing switches automatically to the 5D mode and executes additional pattern recognition to distinct this signal from a slow walking person. If the signal fits, it must be an intruder and an alarm is generated. If there is no fit, the signal is ignored, which ensures signals such as moving reflection of sunlight are filtered out.

The result is a unique combination of high sensitivity detection with high false alarm immunity without the need for manual sensitivity adjustment.

Easy to install

PIRs of the 1000 series are the most rewarding sensors to install:

1. Tolerate wall angle deviation and different mounting heights.
2. Limited loss of coverage when objects are placed in the field of vision.
3. No range setting is required thanks to constant range sensitivity.
4. Plug-in electronics.



Standard Features

- Passive Infra Red motion sensor
- 3Brid Step & Gliding Focus Curtain mirror
- Plug-in electronics
- Sealed optics
- "5D" signal processing for false alarm immunity
- Cloak and umbrella immunity
- Full under crawl detection
- Selectable coverage pattern using mirror masks
- Auto focus with constant range sensitivity
- No adjustment required for different mounting heights
- Tolerates wall angle deviation
- Certified EN50131-2-2 Grade 2
- Several European approvals

EV1012

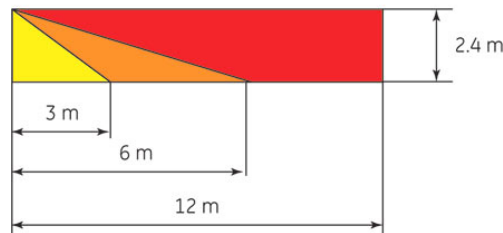
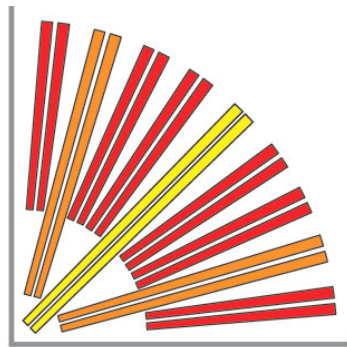
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Specifications

| | |
|-----------------------------|---|
| 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.) | 4.4 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 |

Complete family

The 1000 series are part of the GE Security range of motion sensors. This family includes motion sensors with variants in housing size, detection range, anti-masking, dual detection technology, addressable interfacing, wireless transmission and more. This range covers all applications where security needs to be safeguarded. The consistent family aesthetics between the various models ensure a professional approach when installing different sensor types.



Ordering Information

| Part No. | Description |
|----------|---|
| EV1012 | PIR, DSP, 12m, 9curtains |
| EV1012PI | PIR, DSP, 12m, 9curtains, pet immune |
| SB01 | Wall/ceiling mount bracket ($\pm 45^\circ$ horizontal, 0° or -5° vertical) |



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