



Product Data Sheet

EV1116AM

16 m volumetric PIR/AM 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 EV1100 series sensors incorporate a 3-step gliding focus, which produces 11 continuous curtains to detect infrared signals up to a 16m distance.

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
- Automatic reporting of all masking attempts
- 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 3
- Several European approvals

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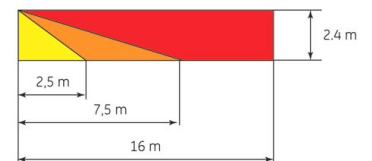
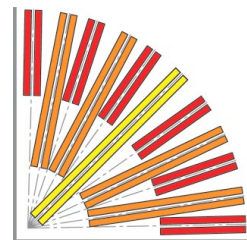
Specifications

Detection range	16 m (50 ft)
Undercrawl protection	Yes
Sensitivity	Normal / High
Coverage field of view	86° with 11 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.)	11 mA
Alarm relay (voltage free)	NC when energised
Tamper relay (voltage free)	NC when cover closed
Remote control lines	Walk test
Alarm memory	Yes
PIR signal processing	5D
Dimensions (W x H x D)	125 x 65 x 60 mm
Ambient conditions	-10 to +55°C (14 to 130°F); 95% relative humidity
Pry-off tamper	On board
EN50131-2-2	Grade 3

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
EV1116AM	PIR/AM, DSP, 16m, 11 curtains
EV1116AMZ	PIR/AM, DSP, 16m, 11 curtains, no alarm memory and no NC relay
SB01	Wall/ceiling mount bracket ($\pm 45^\circ$ horizontal, 0° or -5° vertical)

