

EV1012

EV1012AM

12m volumetric PIR motion sensor



Overview

Interlogix motion sensors have the most advanced and sophisticated optics in the security industry. The EV1012 and EV012AM are powerful 12m volumetric PIRs that feature the latest optical mirror technology of the 1000 series. 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. The EV1012 and EV1012AM produce 9 continuous curtains at 12m distance.

The EV1000AM series incorporates industry leading anti-masking via active infrared technology. This advanced technology protects from the most advanced sabotage attempts including device penetration as well as wood, metals, ceramics, cardboard, paper, glass, PVC, spray-paint, lubricants and many other masking substances. The addition of dynamic pyro and circuitry diagnostics further ensure that the devices have not been tampered and are always in their correct operational state.

PIRs of the 1000 series are the most rewarding sensors to install. They tolerate wall angle deviation and different mounting heights as well as limited loss of coverage when objects are placed in the field of vision. To make life easier no range setting is required thanks to constant range sensitivity while plug-in electronics make commissioning simple.

Features

- Passive Infrared 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 and Grade 3

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Interlogix
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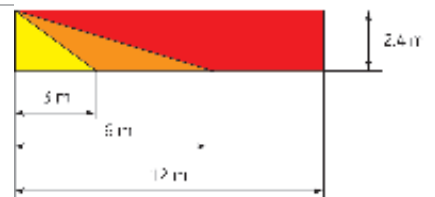
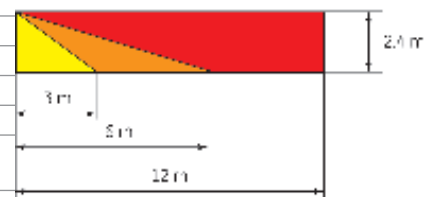
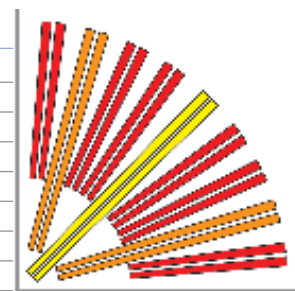
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The 1000 series family

The 1000 series are part of the UTC Fire & 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.

Specifications

| | EV1012 | EV1012AM |
|-----------------------------|---------------------------------------|---------------------------------------|
| Detection range | 12m | 12m |
| Undercrawl protection | Yes | Yes |
| Sensitivity | Normal / High | Normal / High |
| Coverage field of view | 86° with 9 curtains | 86° with 9 curtains |
| Coverage pattern selection | Curtain labels | Curtain labels |
| Mounting height | 1.8 to 3.0 m | 1.8 to 3.0 m |
| Power supply | 9 to 15 VDC | 9 to 15 VDC |
| Current consumption (nom.) | 4.4 mA | 11 mA |
| Alarm relay (voltage free) | NC when energised | NC when energised |
| Tamper relay (voltage free) | NC when cover closed | NC when cover closed |
| Remote control lines | Walk test | Walk test |
| Alarm memory | No | No |
| PIR signal processing | 5D | 5D |
| Dimensions (W x H x D) | 108 x 60 x 46 mm | 108 x 60 x 46 mm |
| Ambient conditions | -10 to +55°C 95% relative humidity | -10 to +55°C 95% relative humidity |
| Pry-off tamper | Optional (ST400) | On board |
| EN50131-2-2 | Grade 2 | Grade 3 |



Ordering Information

| | |
|----------|---|
| EV1012 | 12m volumetric motion detector with 9 curtains, DSP |
| EV1012AM | 12m volumetric motion detector with 9 curtains and anti-masking, DSP |
| EV1012PI | 12m volumetric motion detector with 9 curtains and anti-masking, DSP, pet immune (up to 15kg) |
| SB01 | Wall/ceiling mount bracket ($\pm 45^\circ$ horizontal, 0° or -5° vertical) |
| ST400 | Pry-off tamper kit |

Specifications subject to change without notice.

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