

12 m volumetric PIR/AM motion sensor

EV1012AM

Aritech 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.

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	Yes
PIR signal processing	5D
Dimensions (W x H x D)	108 x 60 x 46 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	On board
EN50131-2-2	Grade 3

Ordering Information

EV1012AM	12 m volumetric PIR/AM motion sensor
EV1012AMZ	12 m volumetric PIR/AM motion sensor
SB01	Swivel bracket wall/ceiling mount



- 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

