EV1012

PIR, DSP, 12m, 9curtains

The power of mirror

Aritech 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 Aritech 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.

Complete family

The 1000 series are part of the Aritech 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.



Details

- Passive Infra Red motion sensor
- 3Brid Step & Gliding Focus Curtain mirror
- Sealed optics
- "5D" signal processing for false alarm immunity
- 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

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Technische specificaties

Algemeen

Technologie	PIR
Type toepassing	Muurmontage
Anti-maskering	Nee
Ongevoelig voor huisdieren	Nee
Camera	Nee
Signaalverwerking	5D
Afneembeveiligingskit	ST400 (optional)

Detectie

Max. detectiebereik	12 m
Detectiebereik	12 m
Aantal gordijnvelden	9
Openingshoek (kijkveld)	86°
Onderkruipbeveiliging	Ja
Alarmgeheugen	Nee

Bedraad / draadloos

Bedraad / draadloos	Bekabeld

Ingangen / uitgangen

Alarmrelais karakteristiek	NC when energised
sabotagerelais karakteristiek	NC when cover closed
Relais configuratie	Isolated or 4k7 EOL
Stuurdraden op afstand	Walk test

Elektrisch

Waarde voeding	9 to 15 VDC (12V nominal)
Stroomverbruik	4.4 mA

Fysiek

Fysieke afmetingen	108 × 60 × 46 mm
Kleur	Wit
Montagehoogte	1.8 to 3 m

Omgeving

Bedrijfstemperatuur	-10 to +50°C
Relatieve vochtigheid	95%
Omgeving	Binnen

Regelgeving

EN50131 Grade	Grade 2

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