VE736

PIR Detector with 11 curtains & 1 curtain of 20 m & 60 m CO Relay

Patented pyro & V2E signal processing

Unlike conventional sensors, our patented Vector pyro captures multi-dimensional signals, allowing it to not only detect the presence of a thermal source but also determine its direction of motion. This breakthrough technology enhances detection probability by combining optics resolution with the pyro's advanced output. Our VE series motion detectors incorporate as well Vector Verified Enhanced (V2E) signal processing, which analyzes and distinguishes different signal sources. False alarms caused by non-thermal sources or environmental factors like stationary thermal sources or strong light are therefore filtered out.

Optics

With our unique Step & Gliding focus mirror, we have a well-established reputation for producing effective volumetric motion sensors with multi-curtains that provide maximum coverage density and are easy to install. With the "High Density Optics" (HDO) mirror, the VE700 series have a comprehensive floor pattern, made by a wide-angle mirror featuring 11 high-density curtains over a 90° field-of-view, enhanced with a 60m long-range curtain. The VE700 is the only motion detector on the market that can offer this unique combination in a single product.

Chime & Settings

The VE700 has three sensitivity settings: Low, Standard and High. Sensitivity is set by selecting different modes for running the pattern recognition algorithms. The ex-factory setting is Standard, which ensures the best performance for most applications. The sensitivity level can be easily modified with a jumper. The pattern of the output vector of the VE700 pyro contains unique information about the origin of the source. That's why the DSP in the VE700 can recognise the direction in which the thermal source is moving. In other words, the VE700 allows you to determine the direction of the intruder across the surveillance area. When the chime mode is ON, the VE700 can trigger an alarm when an intruder walks from left to right and differentiate intruder movement from right to left, and vice versa.

Self-test & Plug-in electronics

All electronics of the VE700 are monitored constantly, in order to report the unlikely case of a defect. The plug-in concept ensures easy installation without any worry about damaging the sensor. All jumpers and switches are in the sub-frame, which means that setting any desired characteristic can be done conveniently in your hand.

Accessories

The VE710 laser alignment tool is the recommended tool to use during installation for aligning the sensors in long corridor applications. The SB01 swivel and mounting bracket can be used with the VE735.



Détails

- Passive Infra Red motion sensor
- High density "Step & Gliding Focus Multi Curtain" mirror
- Plug-in electronics
- Sealed optics
- "Vector Verified Enhanced" detection algorithm
- Selectable range with full undercrawl detection
- On-site individual coverage pattern selection
- 3 alarm sensitivities
- No adjustment required for different mounting heights
- Tolerates wall angle deviation
- Pry-off and cover tamper
- Complies with EN50131-2-2
- Several European approvals

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Spécifications techniques

Général

Technologie	PIR
Type d'application	Fixation murale
Anti-masquage	Non
Insensible aux animaux	Non
Caméra	Non
Kit levier d'arrêt anti-ouverture	On board

Détection

Plage de détection maximale	60 m
Portée de détection	60 m
Sélection de la plage de détection	20 m or 60 m
Nbre de rideaux	11
Couverture (champ de vision)	86°
Protection sous-jacente	Oui
Mémoire d'alarme	Oui

Filaire / sans fil

Filaire / sans fil	Câblés

Entrées / sorties

Caractéristique du relais d'alarme	NO/NC (voltage free)
Caractéristique du relais d'alarme	NC when cover closed (voltage free)
Lignes de commande à distance	Day/Night, Walk test

Électrique

Tension de fonctionnement	9 to 15 VDC
Consommation de courant	11 mA (nom.)

Caractéristiques physiques

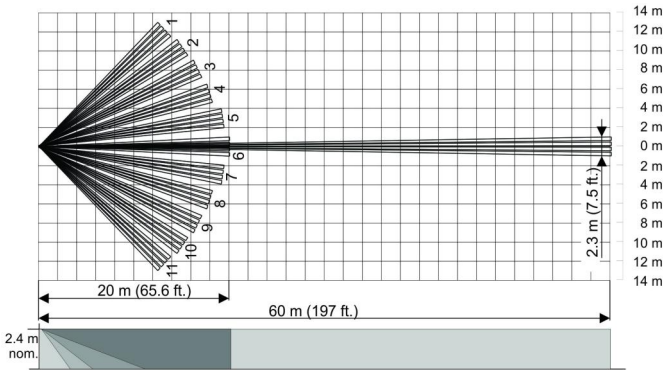
Dimensions physiques	93 x 175 x 66 mm (W x H x D)
Couleur	Blanc
Hauteur de montage	1.8 to 3 m

Environnement

Température de fonctionnement	-10° to +55° C
Humidité relative	95% relative humidity
Environnement	Intérieur

Régulateur

EN50131 Grade	Grade 2
Certification	VdS



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