



VE735AM

60 m, Volumetric PIR/AM with VE Technology

Features :

- 20m volumetric + 60m long range
- Patented VE technology detection algorithm
- Patented dual channel Anti masking
- HDO mirror with absolute volumetric pattern
- Left to right or right to left detection mode
- 3 alarm sensitivities
- Remote and self test
- Plug-in electronics
- Easy to install with laser beam alignment tool
- Pry-off and cover tamper
- Comply with EN50131-2-2
- Event memory

The VE735AM is another GE Security motion sensor using the VE technology. This product uses the PIR part of VE735 together with dual channel anti masking.

For the customer, the VE technology means the best possible PIR in the market with highest ratio of detection /nuisance alarm.

The optical part of the VE735AM is identical to the VE735. The step & glide focus mirror with multi curtains are features unique to GE Security to provide maximum coverage density and ensure easy installation. With the "High Density Optic" (HDO) mirror, the VE700AM series will provide you with more and wider curtains (and therefore untraceable detection gaps). The VE735AM is the only AM motion detector on the market that can offer both wide angle and long range detection pattern in one product.

It is known that the best solution to protect a motion sensor from being masked is active IR technology. GE Security has always served the market with the best available technology to achieve the highest AM performance. The VE735AM continues this trend by using the fourth generation of AM. VE735AM uses five IR transmitters and receivers working in two different frequencies. This results in two AM signals for the sensor. The AM circuit will not be triggered by the magnitude of modified light but with the relationship between the various signals. The dual channels AM technology makes VE735AM capable of detecting any AM attempt, up to 40 cm from the detector. VE735AM is also immune to:

- > Partial masking attempt
- > System malfunction
- > Insect presence
- > White-light jamming

VE735AM

Specifications

Input power	9 to 15 VDC (12 Vnominal)
Peak-to-peak ripple	2 V (at 12 VDC)
Normal current consumption	21 mA
Alarm current consumption	24 mA
Maximum current consumption	34 mA
Mounting height	Min. 1.8 m max 3.0 m
Target speed range	10 cm/sec to 4 m/sec
Alarm output	80 mA at 30 VDC max.
Tamper output	80 mA at 30 VDC max.
Trouble output	80 mA at 30 VDC max.
Alarm time	3 sec
Detector start-up time	70 sec
Operating temperature	-10°C to +55°C
Relative humidity	Max. 95%
Dimensions (H x W x D)	175 x 93 x 66 mm
Weight	275 g
Number of curtains	11 at 20 m + 1 at 60 m
Viewing angle	86° at 20 m + 3° at 60 m
IP/IK rating	IP30 / IK02

EN50131-2-2 Grade3 Compliancy

The VE735AM is designed and approved to comply with EN50131-2-2 Grade 3, as well as with all highest European security grades for a PIR/AM motion sensor.

Chime & Setting

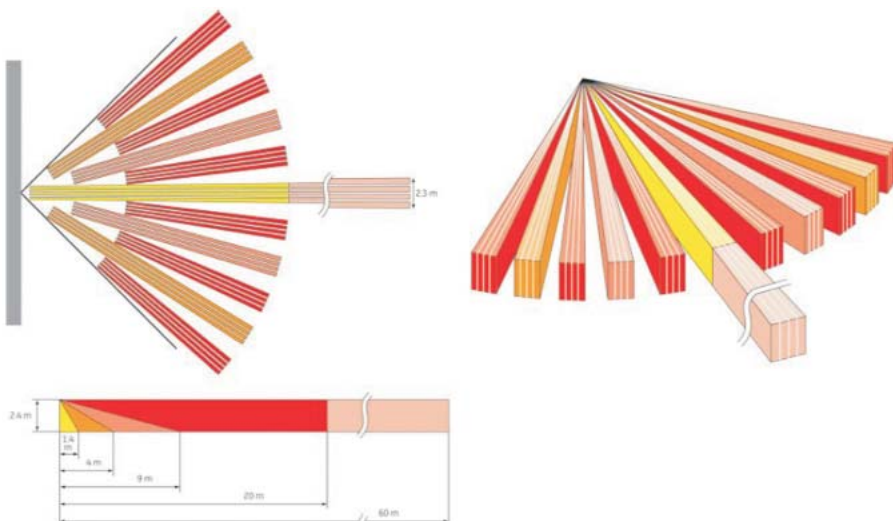
Other VE735AM features, like chime mode and setting are identical to the VE735. For the customer the VE700 allows you to determine the direction of the intruder across the surveillance area. When the chime mode is ON, the VE700 can trigger an alarm when an intruder walks from left-to-right and differentiate intruder movement from right-to-left, and vice versa. The sensitivity settings (Low, Standard and High) ensure the best performance for most applications. The sensitivity level can be easily modified with a jumper.

Remote Self Test

All active and electronics components of the VE735AM are monitored constantly in order to report the a defect.

Plug-in & Accessories

The plug-in concept ensures easy installation without any worry about damaging the sensor so all setting can be done conveniently in your hand. The VE710 laser alignment tool is the recommended tool to use during installation for aligning the sensors in long corridor applications.



Product Code

VE735AM 60 m, 11 curtains, NC relay
PIR/AM with alarm memory,
VE tech

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