

Viewguard DUAL



Motion detectors

The Viewguard DUAL motion detectors comprise two independent sensor systems: a passive infrared detector and a microwave sensor.

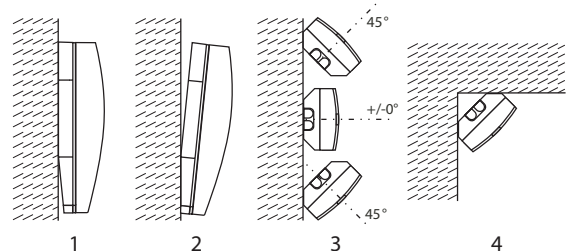
The functioning principle of the detector is based on an intelligent coupling of the two sensor systems. This coupling renders the detectors particularly insensitive to air and thermal turbulences. Viewguard's distinguishing features are optimum alarm detection and extremely high false alarm security.

To ensure optimum detection, detectors are equipped with high-quality mirror optics (area optics).

The detectors are suitable for intruder alarm panels with conventional connection technology and are available with or without Anti-Mask function (monitoring against covering).

Performance features:

- Approvals / conformity
 - Viewguard DUAL AM FAI:
VdS approval Class C (G106079 / G106078)
EN 50131-1 and DIN CLC/TS 50131-2-4 grade 3
 - Viewguard DUAL FAI:
VdS approval Class B (G106519 / G106518)
EN 50131-1 and DIN CLC/TS 50131-2-4 grade 2
- Anti-Mask function (only AM detectors)
Detects covering, spraying or taping of the foil.
- Microwave sensor
Can be deactivated in the "disarmed" state.
- LED indication
Clear indication of operating mode via two LEDs.
Walk test indication.
- FAI-logic (First alarm indication)
The detector that is triggered first, can be identified with the aid of the LED indication.
- Walk test function
Easy way to check function and detection area.
- Detection range
Range programmable in four stages.
- Detection sensitivity
Sensitivity programmable in two stages.
- Memory
 - Save: Fault is saved until it is cleared.
 - Do not save: Fault signal is reset automatically after eliminating the fault.
- Self-test (only AM detectors)
Correct functioning of the detector is monitored in cycles.
- Monitoring of operating voltage
Fault message if the operating voltage drops too low.
- Pry-off and cover tamper
For installation as per DIN CLC/TS 50131-2-4 grade 3
- Various mounting options (see illustration)
 - Vertical 0° (1) or at a 3° downward angle (2).
 - Horizontal 0° or at a 45° angle to the left or right (3).
 - Corner mounting (4).
 - Mounting on adjustable joint (accessories).



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Technical data

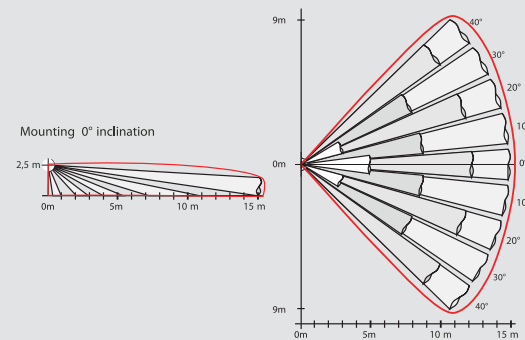
Operating voltage Vnom	12 VDC
Operating voltage range	8 VDC to 15 VDC
Current consumption at Vnom=12 V DC	0,6mA (PIR) 6mA (Microwave) 4mA (LED)
Detection range	programmable in four stages (8 / 11 / 13 / 15 m)
Detection sensitivity	programmable in two stages (normal / high)
PIR sensor	temperature compensation
Anti-Mask function (only AM detectors)	up to 30 cm
Frequency microwave (X band)	10,587GHz for DK, ES, FR, IT, PT, UK 9,35GHz for BE, DE, IRL, NL
Alarm- and fault contact	15 VDC/0.1 A, Internal resistance $\leq 25 \Omega$
Tamper contact	15 VDC/0.1 A, Internal resistance $\leq 10 \Omega$
Protection class as per EN 60529	IP 30
Environmental class as per VdS	II
Operating temperature range	-10 °C to +55 °C
Storage temperature range	-25 °C to +70 °C
Dimensions W x H x D	64 x 158 x 48 mm
Colour	white (similar to RAL 9010)

Detection patterns:

Recommended mounting height 2.5 m for optimal operating sensitivity.
Typical detection coverage with range setting 15 m:

• Area optics with sneak-by guard:




Lens splitting 22 zones at 5 levels
Opening angle 80° hor., 64° vert.
Range 8/11/13/15 m
PIR and MW operate automatically with the same range.



Ordering information:

Item no.	Description
033450	Viewguard DUAL AM FAI (10,587GHz)
033451	Viewguard DUAL FAI (10,587GHz)
033440	Viewguard DUAL AM FAI (9,35GHz)
033441	Viewguard DUAL FAI (9,35GHz)

Accessories:

Item no.	Description	
033390	Adjustable joint horizontal $\pm 20^\circ$, vertical $+4^\circ$ to -8°	
033588	Ball-and-socket set for wall and corner mounting	
033391	Seal (PU = 20 units)	

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