










Viewguard series

PIRs and Dual technology motion sensors

	 033430	 033330	 033440 033450	 033441 033451				
Feature	Viewguard PIR		Viewguard PIR AM		Viewguard PIR DUAL		Viewguard PIR DUAL AM	
<b>Detection</b>								
Method of detection	Passive Infrared				Passive Infrared and Microwave			
Range (with built-in mirror)	Programmable by dip-switches (8 / 11 / 13 / 15m)							
Lens splitting (with built-in mirror)	22 zones at 5 levels							
Opening angle	80° hor., 64° vert.							
Sensitivity	Programmable by dip-switch (normal/high)							
PIR temperature compensation	Yes							
Anti-Mask function	-	Yes (up to 30cm)		-	Yes (up to 30cm)			
Microwave frequency (X band)	-	-		10,587 GHz for DK, ES, FR, IT, PT, UK (ref:03345x) 9,35 GHz for BE, DE, IRL, NL (ref:03344x)				
Recommended mounting height	2,5 m							
<b>Electrical</b>								
Operating voltage	8V to15V DC (12V nominal)							
Consumption at 12V (LED on)	0,6mA (4mA)	0,6mA (4mA)		6,6mA (4mA)		6,6mA (4mA)		
Alarm contact	15 VDC / 100mA, internal resistor ≤ 25 Ω							
Tamper contact (opening and wall mounting)	15 VDC / 100mA, internal resistor ≤ 10 Ω							
Anti-masking detection contact	-	15 VDC / 100mA internal resistor ≤ 25 Ω			-	15 VDC / 100mA internal resistor ≤ 25 Ω		
EOL spare connecting blocks	3 spare connectors available							
Walktest	Yes							
<b>Mechanical</b>								
Protection	IP30 – IK04							
Operating temperature	-10°C to +55°C							
Dimensions W x H x D	64 x 130 x 48mm				64 x 158 x 48mm			
Colour	White (similar to RA 9010)							
Regulatory	VdS class C EN50131 grade 2		VdS class C EN50131 grade 3		VdS class C EN50131 grade 2		VdS class C EN50131 grade 3	
<b>Accessories</b>								
Curtain mirror X 3 (033434)		11 zones on 11 levels 7,5° hor., 85° vert. Range 17 / 21 / 25 / 30m			-			
Long range mirror X 3 (033435)		8 zones on 6 levels 30° hor., 78° vert. Range 29 / 35 / 42 / 50m			-			
Adjustable joint (033390)		Yes						
Ball-and-socket set (033588)		Yes						
Seal x 20 units (033391)		Yes						

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HSCE-ViewG-01-EN(0108)SB-D  
January 2008  
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Viewguard PIRs and Dual technology series



MOTION SENSORS WITH MIRROR OPTICS

A clear view on motion





# High-quality mirror optic

As a general technical rule, the better the infra-red (IR) signal received by the motion sensor the more accurate the signal processing. The best possible way to capture the IR signal from the surveillance area is when the sensor uses the mirror as this does not result in any weakening or reduction of the signal quality. Thus, the mirror optic makes the Viewguard extremely accurate on alarm decision.



## Fast, reliable detection

Through the on board Microprocessor, the Viewguard analyzes the type of signal received. Signal strength is the key element in the final alarm decision. The Viewguard reacts extremely quickly to most walk test signals and avoids false alarms when the signal is less accurate or when intruders attempt to fool the sensor. The Viewguard's built-in multiple IR Signal Strength thresholds assures the best detection performance available.



## First Alarm Indication

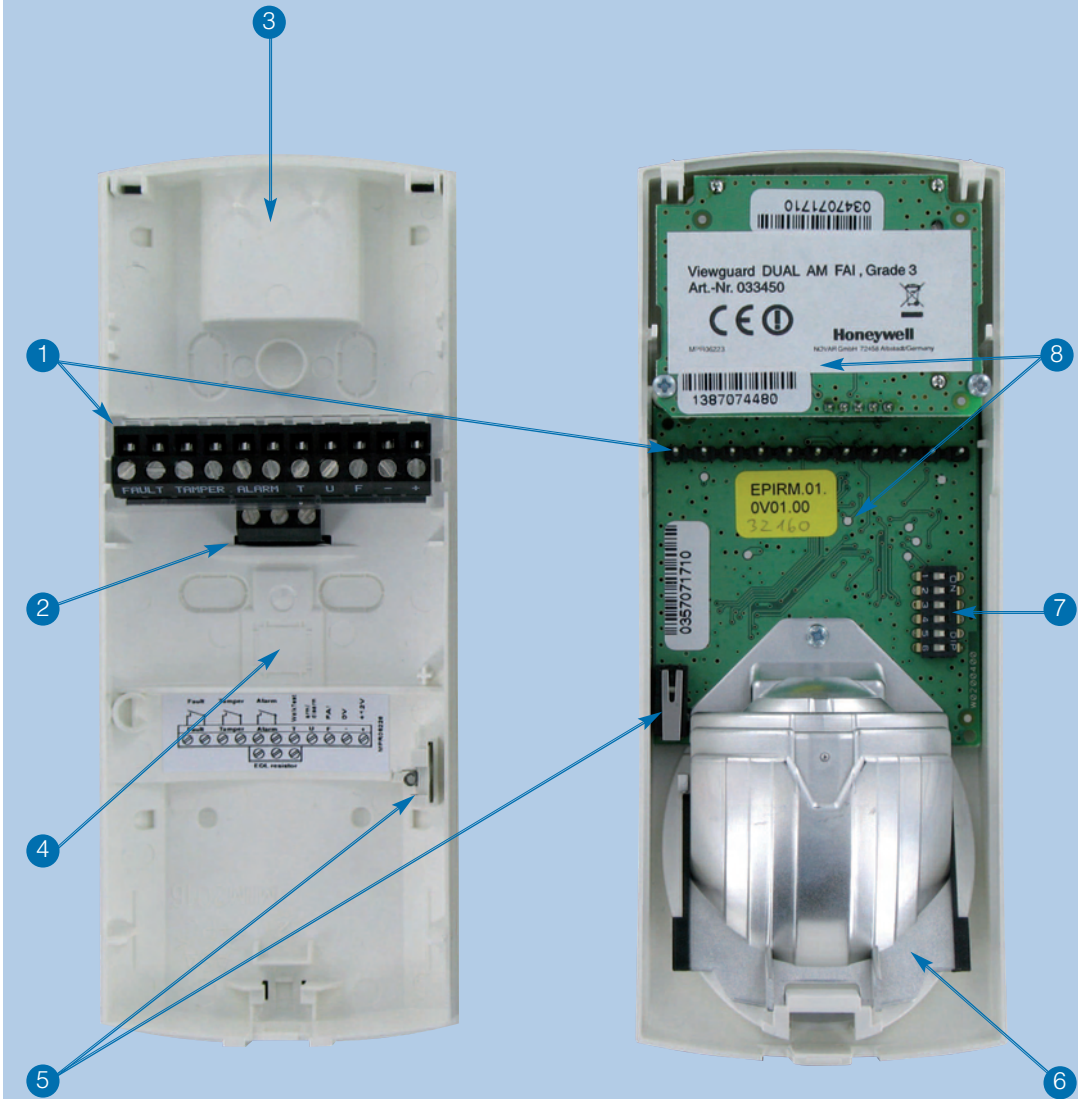
In case of alarm, the First Alarm Indication (FAI) feature allows the end-user to locate which detector caused the alarm and identify the intruder entry point.

## Healthy Microwave

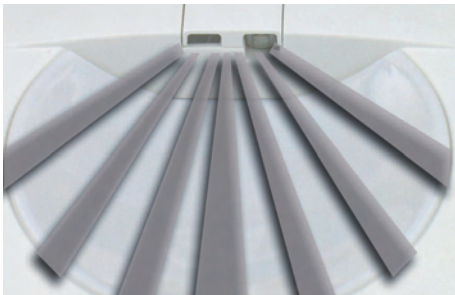
Microwave radiation is perceived to be unhealthy for Humans. The microwave part of a dual sensor is an active component and microwave signals are continuously sent to the surveillance area. With Dual Viewguard however, microwave radiation can be limited to periods when the system is armed and no end-user is present. The microwave element of the sensor is switched off during the disarmed state and only turns on when the system is armed.

## Anti-masking

In high risk applications, the intruder uses various materials to mask the Sensor. By using light guides, the Viewguard creates a wide Infra Red perimeter around the sensor. An LED receiver inside the product reacts to any changes and can detect if the product has been masked. This is the most accurate and reliable way to protect the end-user no matter what type of material is used to attempt sensor masking.



- 1 Plug-in connectors
- 2 Spare EOL terminal blocks
- 3 Dual wiring area for cables from the top
- 4 Pret-cut area for cables from the back
- 5 Tamper
- 6 Removable mirror
- 7 Dip switches
- 8 PCB with no electronic components accessible



## Professional aesthetic

The Viewguard will give a professional appearance to your surveillance area. As one of the top performing motion sensors, professional design agencies assisted Honeywell in producing an aesthetically pleasing enclosure which complements the product performance and features.



## Low power consumption

Through intelligent design the current consumption of the Viewguard is the lowest in the motion sensor market. This makes the product suitable for applications with multiple devices in one loop.

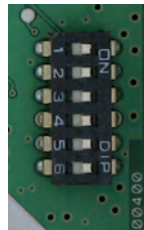
## Plug in Electronics Concept

The plug-in concept of Viewguard makes the installation very easy for the installer since all electronic and optical parts are in the top enclosure and the base contains the mounting and wiring elements. This means the installer can configure the detector prior to mounting, making it quick and safe to install.



## Complete and easy setting

Dip-switches on the Viewguard can be adapted to suit all applications. Two optional mirrors make the product suitable for applications up to 50m. This means that the sensors are ideal for all room sizes as the sensitivity levels of the signal processing element can be easily adjusted. In harsh environments where IR noise may be present, the sensitivity settings of the sensor can be adjusted to achieve the optimum false alarm immunity without a reduction in the detection performance.



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