

# VW33440 Ex - Honeywell Viewguard Ex

Intrinsically safe PIR+MR motion detector.

INTRINSICALLY  
SAFE  
SECURITY SYSTEMS



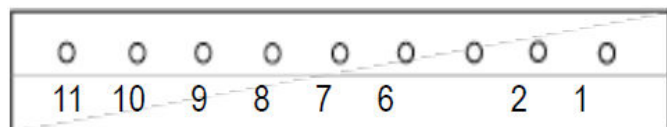
## DESCRIPTION:

Viewguard detectors analyse the type of incoming signal using an integrated microprocessor. The decision to trigger an alarm is based on an analysis of the strength of the incoming signal.

Viewguard detectors respond to incoming signals with exceptional speed, and the possibility of triggering a false alarm has been reduced to a minimum. The detectors are also protected against potential tampering. A unique multi-level signal strength measurement function ensures that Viewguard motion sensors have the most advanced alarm decision system available.

Thanks to efficient power management, the power consumption of the Viewguard motion detector is among the lowest of all motion detectors on the market. For this reason, these detectors can also be installed in areas where a large number of detectors need to be connected to a single power loop.

The detectors are designed for commercial and industrial environments.



## CONNECTION:

- 1 - Power supply –Ucc/N
- 2 - Power supply +Ucc/L
- 6,7 - Alarm contact
- 8,9 - Tamper output
- 10,11 - Fault output

For Ex installations, the use of the following devices is required:

- power supply from the MM 2012 series (single-, dual- or triple-channel);
- intrinsically safe relay separator from the MM 501x series (MM 5011, MM 5016).

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## TECHNICAL PARAMETERS:

Electrical parameters:	$U_i = 13,02 \text{ V DC}$ , $I_i = 125 \text{ mA}$ , $P_i = 0,407 \text{ W}$ , $C_i = 2 \text{ }\mu\text{F}$ , $C_{eq} = < 1000 \text{ }\mu\text{F}$ , $L_i = 0$
Max. sinusoidal signal (from 0 to 100 Hz):	2,0 V <sub>pp</sub>
Max. current consumption:	4,6 mA/12 V
Alarm output:	15 V DC/100 mA
Anti-Masking (AM) output:	15 V DC/100 mA
Tamper:	15 V DC/100 mA
Detection method:	passive infrared
Optical system:	optical mirror
Microwave system:	9,35 GHz
Mounting height:	2,5 m
Detection range:	8, 11, 13, 15 m - configurable via DIP switch
Field of view:	88° horizontal, 64° vertical
Operating temperature:	-10°C to +50°C
Max. humidity:	< 95%
Housing according to IEC 529:	IP40
Resistance to frequency interference (from 0,1 to 2000 MHz):	> 20 V/m
Dimensions (height x width x depth):	158 mm x 64 mm x 48 mm
Security level:	Grade 3
Classification:	II 2 G Ex ia IIB T4, V2