

# VW33440 Ex - Honeywell Viewguard Ex

Dual intrinsic safe IR + MW 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 detected signal.

Viewguard detectors respond to an incoming signal ultimately fast and are resistant to trigger a false alarm due to poor signal quality, at the same time, they keep an eye on whether an intruder is trying to deceive the sensor. The unique multi-stage signal strength measurement makes Viewguard detectors the best motion detection system. .

Thanks to efficient power management, the current consumption of the Viewguard motion detector is one of the lowest of any motion detector on the market.

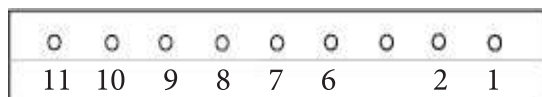
That quality allows Viewguard to be installed where a large number of detectors need to be connected on a single power loop.

The detectors are designed to use in commercial and industrial environments.



## CONNECTION:

- 1 - Power Supply +Ucc
- 2 - Power Supply -Ucc
- 6,7 - Alarm Contact
- 8,9 - Tamper Contact
- 10, 11 - Fault Contact



Following power supply and processing equipment is required for Ex installation:

- Power supply MM 2012 DC or MM 2012-4 DC
  - MM 501 Series galvanic isolated relay or line amplifier LML 8 Ex
  - Galvanic isolated barrier MM 5062 DC.
- All equipment by MM GROUP s.r.o.

## TECHNICAL DATA:

Electrical Specifications	$U_i = 13.02 V_{DC}$ , $I_i = 125 mA$ , $P_i = 0.407 W$ , $C_i = 2 \mu F$ , $C_{eq} = <1000 \mu F$ $L_i = 0$
Max. Sinusoidal Signal	2,0 $V_{pp}$
Max. Current Consumption	4.6 mA/12 V
Alarm Output	15 V DC/100 mA
Anti-Masking Output	15 V DC/100 mA
Tamper Switch	15 V DC/100 mA
Detection Method:	Passive Infrared
Optical Sensor	Optical Mirror
Microwave sensor	9.35 GHz
Mounting Height	2.5 m
Detection Range	8, 11, 13, 15 - DIP switch configurable
View Angle	88° Horizontal, 64° Vertical
Temperature Range	-10° to +50°
Max. Tolerated Humidity	< 95%
IEC 529 Housing	IP 40
Frequency resistance (0.1 to 2000 MHz)	> 20V/m
Dimensions	130 mm x 64 mm x 48 mm (HxWxD)
Environmental Class	II 2 G Ex ia IIB T4, V2