

# VW33430 Ex - Honeywell Viewguard Ex

Intrinsic safe PIR 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.

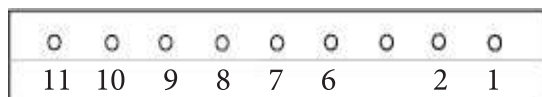
That quality allows Viewguard to be installed where a large number of detectors need to be connected on a single power loop.

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              | $U_i = 13.02 V_{DC}$ , $I_i = 125 mA$ ,<br>$P_i = 0.407 W$ , $C_i = 2 \mu F$ ,<br>$C_{eq} < 1000 \mu F$ $L_i = 0$ |
| 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                       | N/A   |
| 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   |