

MMVTAM12Ex - VISONIC TOWER 12 AM Ex

Dual intrinsic safety infrared detector

INTRINSICALLY
SAFE
SECURITY SYSTEMS



DESCRIPTION:

Dual technology (PIR+MW) industrial motion detector with a range of 25x30m/90° or 25m/5°.

Device reports the entry of an unauthorised person into the protected areas.

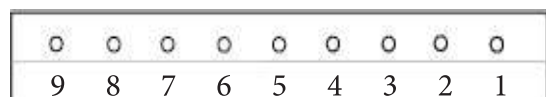
In order to maintain Ex compliant installation for the device, relevant certified isolation amplifier for power supply and signal transmission are needed.

KEY POINTS:

- Doppler Microwave
- Elliptical/Parabolic Mirror
- Robust Construction
- TMR
- Ignores Animals Up To 18kg

CONNECTION:

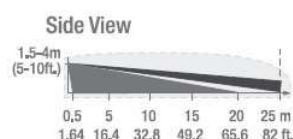
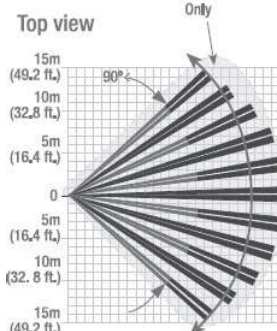
- 1 - Power Supply +Ucc
- 2 - Power Supply -Ucc
- 3,4 - Tamper Contact
- 5,6 - Alarm Contact
- 7,8 - Trouble Contact



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.

TOWER-10/12 AM Wide angle



TECHNICAL DATA:

Electrical Specifications	$U_i = 13.02 V_{DC}$, $I_i = 125 mA$, $P_i = 0.407 W$, $C_i = 2 uF$, $C_{eq} < 1000 uF$, $L_i = 0$
Max. Sinusoidal Signal	2,0 V _{pp}
Max. Current Consumption	18 mA/12 V
Alarm Output	30 V DC/100 mA
Anti-Masking Output	30 V DC/100 mA
Tamper Switch	30 V DC/100 mA
Alarm Delay Time:	2 s
Anti-Masking Delay Time	20 s
Anti-Masking Relay	2 s
Respond Time	
Optical Sensor	Black Infrared Mirror
Microwave sensor	10.525 Ghz or 10.687 GHz
Mounting Height	1.5 - 4.0 m
Temperature Range	-20° to +50°
IEC 529 Housing	IP 40
Frequency resistance (0.1 to 2000 MHz)	> 20V/m
Dimensions	160 mm x 77 mm x 47 mm (HxWxD)
Environmental Class	II 2 G Ex ia IIB T4, V2