



Perimeter Detection Systems

# PIRAMID ATEX

Stereo Doppler Microwave detector in an ATEX housing

## ATEX Certified

- Product compliant with **ATEX 2014/34/UE**. According to the norms **IEC EN 60079-0, IEC EN 60079-1 & IEC EN 60079-31**.
- **PIRAMID ATEX** assures the protection of hazardous locations due to the presence of **flammable gasses or vapours, combustible dusts, easily ignitable fibres or flying sparks**



## Technology Features

- **Stereo Doppler Microwave Detector:** Two receiving channels with the ability to eliminate vibration and periodically moving objects as sources of unwanted alarms
- **Enhanced Bird/Animal Immunity Control:** Two-position switch adjusts the sensor's immunity to birds and small animals
- **Sensitivity Control:** Ten-position switch adjusts the amount of movement required to trigger an alarm
- **Range Control:** Ten-position switch adjusts the overall size of the sensor's detection area



microwave  
technology



# Ultra-Sensitive Applications



**Piramid ATEX is suitable for sensitive sites classed **Zone 1** and **2** for flammable gasses and **Zone 21** and **22** for combustible dusts:**

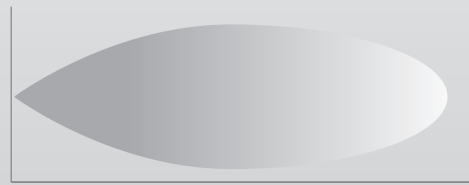
- **Oil Rigs**
- **Petrochemical Sites**
- **Storage zones for dangerous materials**

## Detection Lobes



Side-view

30m



Bird's-eye-view

30m x 13m

## Technical Specifications

<b>Input Voltage</b>	8.5 to 20 Vdc
<b>Consumption</b>	150mA @ 12 VDC (LED's off)
<b>RF Power Density</b>	120 uW/cm2 max. at the face of the unit
<b>Weight</b>	12 kg
<b>Operating Temperature</b>	From -35°C to +70°C
<b>IP Rating</b>	IP66 compliant with EN 60529 and IEC 60529 Mechanic resistance IK 10 compliant with EN 50102
<b>Relay Contact Rating</b>	0.1A, 50V
<b>Microwave Frequency</b>	Factory adjusted to one of the following frequencies: 10,525 MHz USA 10,587 MHz International 9,900 MHz International 9,470 MHz International
<b>Electric Access</b>	Housing provided with NPT 1/2" pipe thread and cable gland adapted to non-armoured cables. Diameter 5.5 mm à 8 mm Diameter 8 mm à 10.5 mm Diameter 10.5 mm à 13 mm

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### Seal of the retailer



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