



Perimeter Intrusion Detection Systems

# PIRAMID ATEX

Microwave intrusion detector in an ATEX housing



## Product strengths

- Volumetric detector in an **explosion-proof box**
- Complies with specific **ATEX standards**
- **Reliable detection**: multi-setting detector
- Protection of **ultra-sensitive sites**



# PIRAMID ATEX

## ATEX ZONES

The site security manager must determine the areas at risk of explosion in the presence of gas, vapors or dust in order to put in place the security devices adapted to these very specific environments.

The purpose of this is to define the level of danger in order to select the appropriate ATEX detectors.

### ZONE 0 (Gas) / ZONE 20 (Dust)

Continuous presence of an explosive atmosphere or for long periods in normal operation

1000 hours / year

Very high level of protection

#### ZONE 1

Probable presence of an explosive atmosphere

Exposure between 10 and 1000 hours / year or more

Reinforced level of protection

✓ **PIRAMID ATEX COMPATIBLE**

#### ZONE 2

Unlikely presence of an explosive atmosphere around the risk area

Less exposure  
10 hours / year

Typical protection level

✓ **PIRAMID ATEX COMPATIBLE**

#### ZONE 21

Probable presence of an explosive atmosphere

Exposure between 10 and 1000 hours / year or more

Reinforced level of protection

✓ **PIRAMID ATEX COMPATIBLE**

#### ZONE 22

Unlikely presence of an explosive atmosphere around the risk area

Less exposure  
10 hours / year

Typical protection level

✓ **PIRAMID ATEX COMPATIBLE**

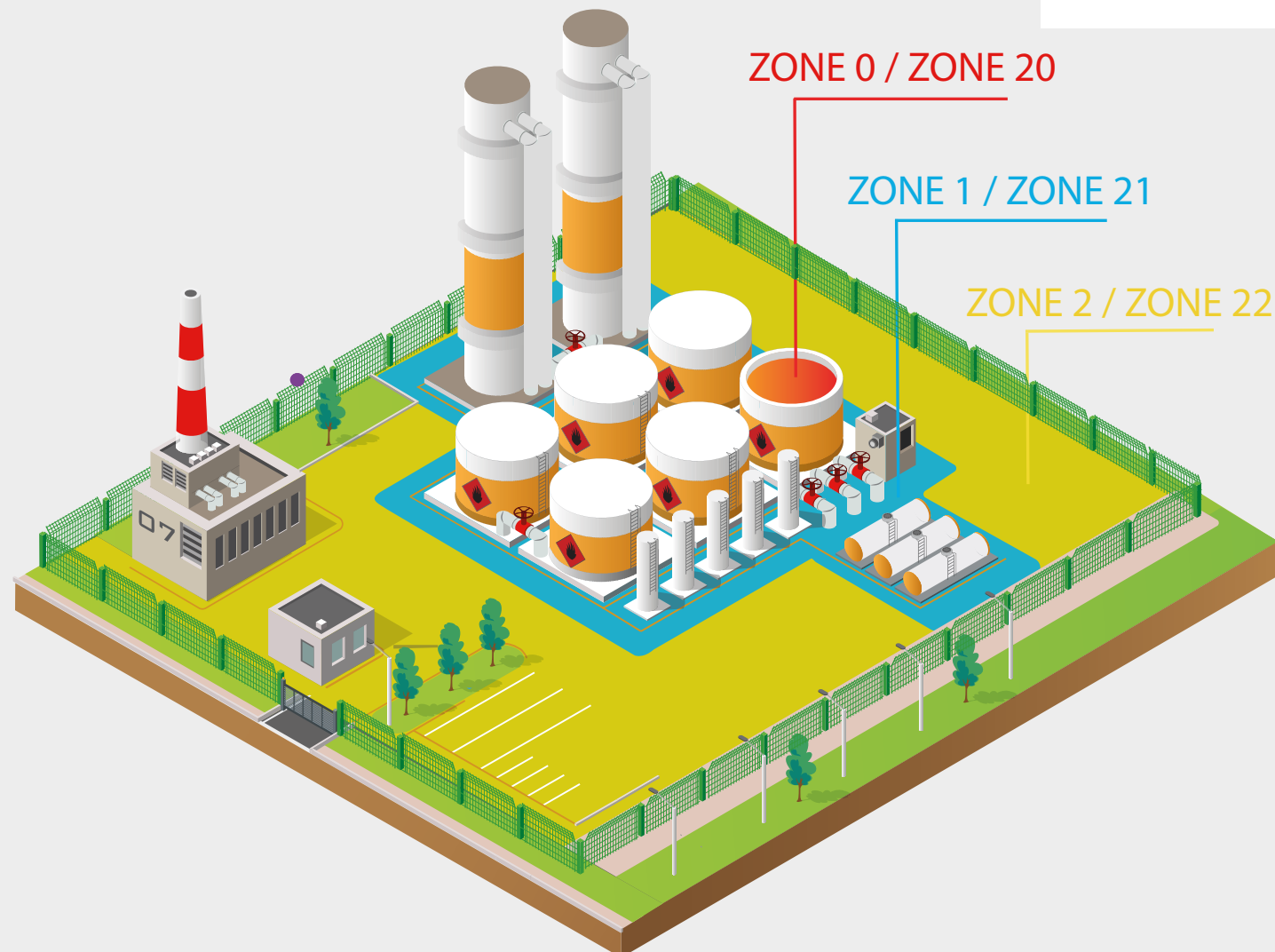
## COMPLIES WITH SPECIFIC ATEX STANDARDS

- Assures the protection of hazardous locations :
  - flammable gasses or vapours
  - combustible dusts, easily ignitable fibres or flying sparks
- Product compliant with ATEX 2014/34/UE as well as the general directive for all low voltage products 2014/35 / EU
- According to the norms IEC EN 60079-0, IEC EN 60079-1 & IEC EN 60079-31.

## RELIABLE DETECTION

Volumetric detector with multiple settings

- Sensitivity adjustment** : determines the minimum movement of a target necessary to trigger an alarm
- Range Control** : ten-position switch adjusts the overall size of the sensor's detection area
- Eliminates common sources of false alarms**  
Periodic vibrations or movements (vegetation filtering, vibration filtering.)



## ULTRA SENSITIVE SITE APPLICATIONS



Piramide ATEX is suitable for classified sensitive sites  
**Zones 1 and 2 for gases and Zone 21 to 22 for combustible dust:**

- Oil platforms
- Petrochemical sites
- SEVESO sites
- Storage zones for dangerous materials

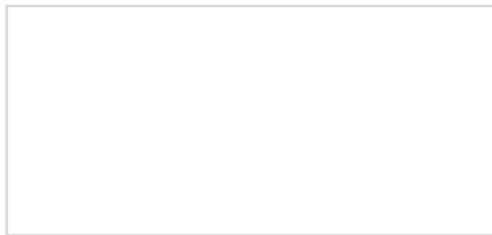
## Technical Specifications

<b>Input Voltage</b>	12 to 24 Vdc
<b>Consumption</b>	150mA @ 12 Vdc (LED's off)
<b>RF Power Density</b>	120 uW/cm <sup>2</sup> max. at the face of the unit
<b>Weight</b>	12 kg
<b>Operating Temperature</b>	From -40°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 to 8 mm Diameter 8 mm to 10.5 mm Diameter 10.5 mm to 13 mm

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Seal of the retailer



In order to continuously ensure the high standard of quality and performance of our products, we reserve the right to modify the present technical data without notification.

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