



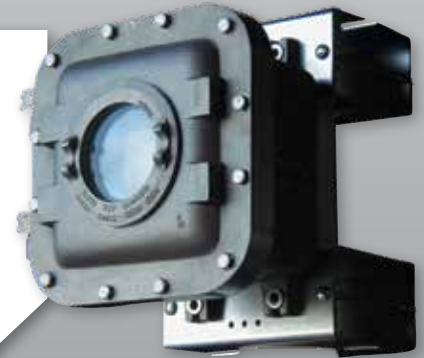
Perimeter Detection Systems

# PIRAMID EX

Stereo Doppler Microwave Detection in an Explosion-Proof Housing

## EXPLOSION PROOF Certified

- **Housing complies with NEC/CEC location standards:**  
Class I, Division 1 and 2, Groups B, C, D  
Class II, Division 1 and 2, Groups E, F, G  
Class III  
NEMA 4, 7BCD, 9EFG
- **PIRAMID EX protects hazardous locations, in the presence of flammable gases or vapors, combustible dusts, easily ignitable fibers or flying sparks.**



## Technology Features

- **Stereo Doppler Microwave Detector:** Two receiving channels reduce unwanted alarms from vibrating and intermittently moving objects
- **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 EX is suitable for sensitive sites with **flammable gas and/or combustible dust** such as:

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

## Protection Pattern



Side-view

100 ft



Top view

100 ft x 40 ft

## Technical Specifications

Input Voltage	10VDC to 28VDC
Power Consumption	150mA @ 12VDC (LEDs off)
RF Power Density	120 $\mu\text{W}/\text{cm}^2$ max. at the face of the unit
Weight	42 lbs.
Operating Temperature	-40°F to +150°F (-40°C to 65°C)
IR Rating	IP66 compliant EN/IEC 60529 Impact resistance IK10 EN/IEC 62262
Relay Contact Rating	0.1A, 50V
Microwave Frequency	Factory adjusted to one of the following frequencies: 10,525 MHz USA; 10,587 MHz, 9,900 MHz, 9470MHz all International
Electrical Access	Housing provided with 3/4" national pipe thread and one 1/2" reducer. Special hole size, location and thread available upon request.

## Ordering Information

Part # SDI-77XL2-EX-IND	Indoor - 100ft. x 40ft. DC Power, 2" PROM, 12VDC
Part #SDI-77XL2-EX-OUT	Outdoor - 100ft. x 40ft. DC Power complete Conformal Coating, 4" PROM, 12VDC
PH-4EXWLMT	Wall Mount for EX Sensor
PH-4EXWLMT-C	Wall Mount for EX Sensor - Specially Painted for Corrosive Environment
PH-4-EX	1 1/2" to 4 1/2" Diameter Pole Mount for EX Sensor
PH-4A-EX	4 1/2" to 8 1/2" Diameter Pole Mount for EX Sensor
PH-4-EX-SS	1 1/2" to 4 1/2" Diameter Stainless Steel Pole Mount for EX Sensor
PH-4A-EX-SS	4 1/2" to 8 1/2" Diameter Stainless Steel Pole Mount for EX Sensor

## Distributor

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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Protection Technologies, Inc.

529 Vista Blvd., Suite A-3, Sparks, NV, 89434 USA

Toll Free: (800) 428-9662 - P: (775) 856-7333 - F: (775) 856-7658 - E-mail: [sales@protechusa.com](mailto:sales@protechusa.com)

[www.protechusa.com](http://www.protechusa.com)