



EXPLOSION-PROOF SOLUTIONS

COMPARISON



FALCON EX

Motion Sensor with Explosion-Proof / Flame-Proof Housing



PHOENIX-EX

Motion Sensor with Explosion-Proof / Flame-Proof Housing for Intrusion Protection



PHOENIX-EX IT

Motion Sensor with Explosion-Proof / Flame-Proof Housing for Intrusion Protection

PRIMARY APPLICATIONS

Chemical Manufacturing,
Petroleum Refining Agriculture

Chemical Manufacturing,
Petroleum Refining, Military
Facilities

Chemical Manufacturing,
Petroleum Refining, Military
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TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Microwave Doppler Radar	Microwave Doppler Radar
Mounting Height			
Standard	11 ½ – 23'	11 ½ – 23'	11 ½ – 23'
Low	6 ½ – 11 ½'	6 ½ – 11 ½'	6 ½ – 11 ½'
Wide	11 ½ – 21'	11 ½ – 21'	11 ½ – 21'
Mounting Height			
Standard	13' x 6 ½' @ 8 ½'	13' x 6 ½' @ 8 ½'	13' x 6 ½' @ 8 ½'
Low	13' x 6 ½' @ 8 ½'	13' x 6 ½' @ 8 ½'	13' x 6 ½' @ 8 ½'
Wide	30' x 11' @ 21'	30' x 11' @ 21'	30' x 11' @ 21'
Supply Voltage	12 – 24 VAC; ±10% 12 – 24 VDC; 30% / -10%	12 – 24 VAC; ±10% 12 – 24 VDC; 30% / -10%	12 – 24 VAC; ±10% 12 – 24 VDC; 30% / -10%
Transmitter Radiated Frequency	< 20 dBm EIRP	< 20 dBm EIRP	< 20 dBm EIRP
Transmitter Power Density	< 5 mW / cm2	< 5 mW / cm2	< 5 mW / cm2
Weight	10lbs	10lbs	10lbs
Housing Certification	Adalet / Scott Fetzer Co., UL Listing #E81696	Adalet / Scott Fetzer Co., UL Listing #E81696	Adalet / Scott Fetzer Co., UL Listing #E81696

FEATURES

Tamper Circuit*	—	✓	✓
End of Line Resistors(s)	—	✓ Factory Installed	✓ Optional**
Beginning of Line Resistors	—	—	✓ Optional**

*Tamper Circuit

• **PHOENIX-EX** - In-line and part of the sensor output signal

• **PHOENIX-EX IT** - Separate or isolated from the sensor output signal via two additional conductors

**'End of Line' or 'Beginning of Line' Resistors for PHOENIX-EX IT can be installed either via factory or in the field