

# 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 Facilities
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#### TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Microwave Doppler Radar	Microwave Doppler Radar
<b>Mounting Height</b>			
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'
<b>Detection Zone</b>			
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'
<b>Supply Voltage</b>	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%
<b>Transmitter Radiated Frequency</b>	< 20 dBm EIRP	< 20 dBm EIRP	< 20 dBm EIRP
<b>Transmitter Power Density</b>	< 5 mW / cm2	< 5 mW / cm2	< 5 mW / cm2
<b>Weight</b>	10lbs	10lbs	10lbs
<b>Housing Certification</b>	Adalet / Scott Fetzer Co., UL Listing #E81696	Adalet / Scott Fetzer Co., UL Listing #E81696	Adalet / Scott Fetzer Co., UL Listing #E81696

#### FEATURES

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

\* Tamper Circuit

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

• **PHOENIX-EX IT**: independent 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