

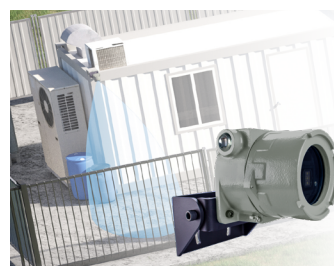
EXPLOSION-PROOF SOLUTIONS

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
Mounting Height			
EX	11 ½ – 23'	11 ½ – 23'	11 ½ – 23'
XL	6 ½ – 11 ½'	6 ½ – 11 ½'	6 ½ – 11 ½'
WIDE	11 ½ – 21'	11 ½ – 21'	11 ½ – 21'
Detection Zone			
EX	13' x 16' @ 16'	13' x 6 ½' @ 8 ½'	13' x 6 ½' @ 8 ½'
XL	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	11 lbs	11 lbs	11 lbs
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:** 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