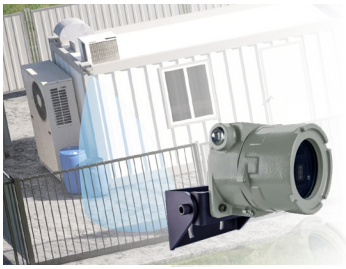
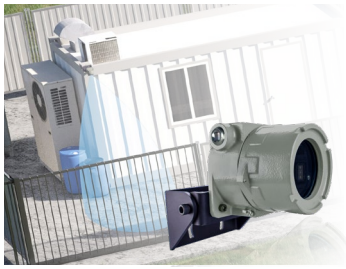
EXPLOSION-PROOF SOLUTIONS

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
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′ × 6 ½′ @ 8 ⅕′	13′ × 6 ½′ @ 8 ⅕′	13′ × 6 ½′ @ 8 ⅕′
Low	13′ × 6 ½′ @ 8 ⅕′	13′ × 6 ½′ @ 8 ⅕′	13′ × 6 ½′ @ 8 ⅕′
Wide	30′ × 11′ @ 21′	30′ × 11′ @ 21′	30′ × 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