



BEA ARCHITECTURAL SPECIFICATION SHEET

Industrial Door Solutions: Phoenix EX

Product Specification

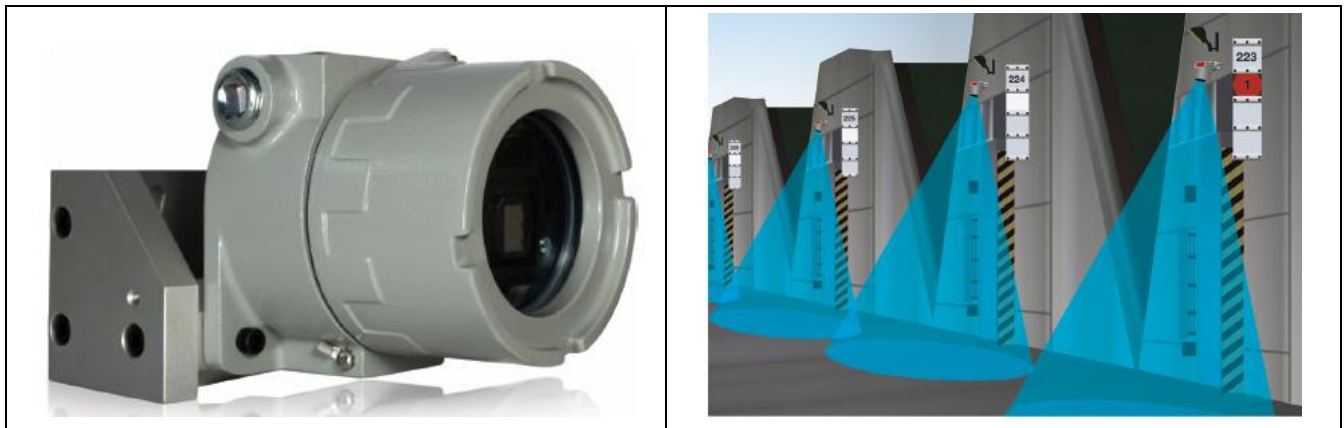
K-Band (24.125 GHz) Microwave radar designed to detect within a desired area for security, warning indication and automation. The sensor must pair a microwave activation sensor with explosion-proof/flameproof housing that can be used in unique environments such as chemical manufacturing, petroleum refining and military facilities.

For Security applications: Sensor must offer a monitoring feature via end-of-line resistors. Resistors will provide unique output states that allow differentiation between an activation signal and an interruption in functionality due to tampering of the device.

Sensor detection zone can be adjusted through sensitivity settings and angle adjustments in order set pattern size. Housing must be IP66 rated, explosion proof, flame proof and a NEMA 4X, 7, 9 water-proof rated enclosure. This housing achieves UL Class I/ Division I, Groups B, C, D; UL Class II, Groups E, F, G and UL Class III****.

Must be adjustable via remote.

Product image and Application Photo



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**Technical Specs:**

| | |
|--|--|
| Technology: | Microwave doppler radar |
| Transmitter frequency: | 24.150 GHz |
| Transmitter radiated power: | < 20 dBm EIRP |
| Transmitter power density: | < 5 mW/cm ² |
| Anti-tamper: | Tamper alert via output |
| Detection zone: | PHOENIX EX™: 13 x 16 ft @ 16ft; PHOENIX EX™XL: 13 x 6.5 ft @ 8.2ft PHOENIX EX™WIDE: 30 x 11ft @ 21ft. (typical at 30° and field size 9) |
| Min. detection speed: | 2.2 in/s* |
| Supply voltage: | 12V to 24V AC ±10%; 12V to 24V DC +30% / -10% |
| Mains frequency: | 50 to 60 Hz |
| Max power consumption: | < 2 W |
| Output**: Max. voltage: Max current: Max power: | relay (free of potential change-over contact) 42V AC/DC 1A (resistive) 30 W (DC) / 60 VA(AC) |
| Mounting height: | PHOENIX EX™: 11.5 - 23 ft; PHOENIX EX™XL: 6.5 - 11.5 ft; PHOENIX EX™WIDE: 11.5 - 21 ft; |
| Temperature range: Housing Certification: | -22 °F to + 140 °F (Adalet / Scott Fetzer Co., UL Listing # E81696) UL Class I, DIV 1 Group BCD; Class II, DIV 1 Group EFG; Class III; NEMA Type 4X; IP66; UL 1203; CSA C22.2 No.30&CSA C22.2 No.25 FM 3615; ATEX (FLAMEPROOF - DEMKO), Ex d IIC, IEC60529 |
| Dimensions: | 9 in (L) x 7.5 in (W) x 5.5 in (H) |
| Materials: | Copper-free aluminum (Housing); Aluminum (Bracket) |
| Weight: | 13 lbs |
| Cable length: | 100 ft or 30ft |
| Electrical Access: | 3/4" NPT pipe thread |
| Norm conformity: | R&TTE 1999/5/EC; EMC 2004/108/EC |

Dimensions:

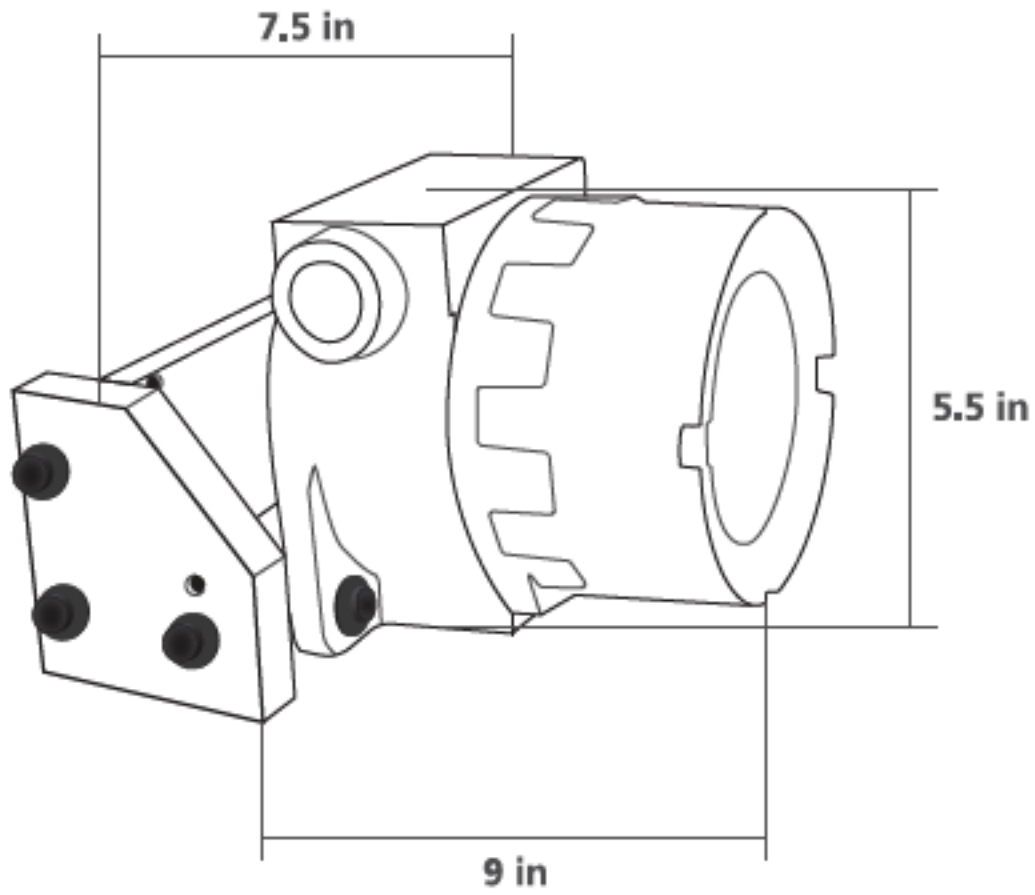
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