

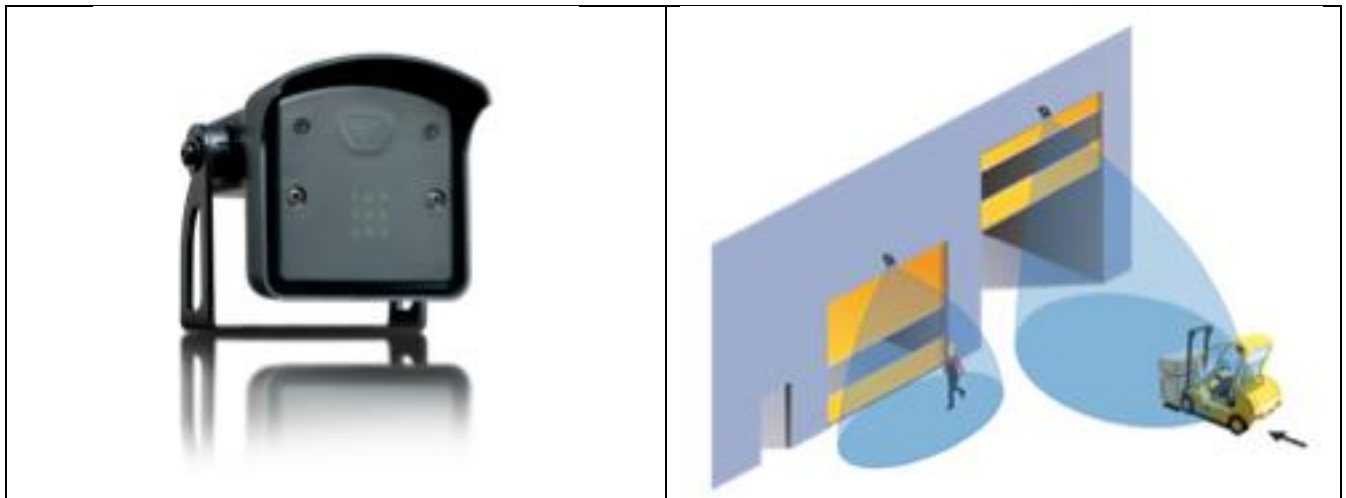


BEA ARCHITECTURAL SPECIFICATION SHEET Industrial Door Solutions: Falcon/FalconXL

Product Specification

Door Activation by K-Band (24.125 GHz) Microwave Motion Sensor designed with the ability to detect the movement of pedestrians and/or vehicles. The sensor shall utilize a planar (flat antenna), and shall be capable to disregard cross traffic and detect vehicular traffic only. Sensor detection zone can be adjusted through sensitivity settings and angle adjustments in order set pattern size. NEMA 4 Enclosure: 12-24V AC/DC Power. Mounting Height: Model FalconXL 6.5ft to 11.5ft (78" to 138") & Model Falcon 11.5ft to 23ft (138" to 276"). Available Programming Remote

Product image and Application Photo



BEA Inc.
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American Association of
Automatic Door Manufacturers

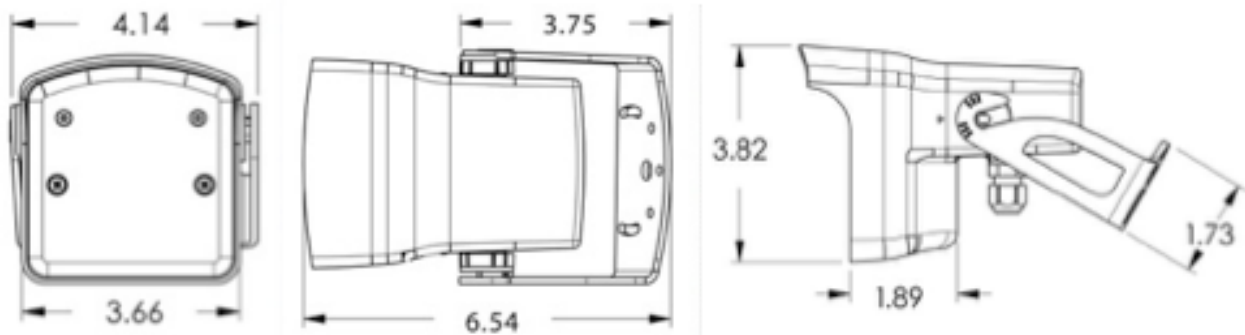
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Technical Specs:

Technology Radiated Frequency Transmitter Radiated Frequency Radiated Power Density	K-Band Microwave Doppler Radar 24.125 GHz < 20 dBm EIRP < 5 mW / cm ²
Detection Mode	Motion
Detection Zone (WxD) Falcon (narrow pattern) Falcon XL (wide pattern) Falcon Wide (extra wide pattern)	156 in. (396.24 cm) × 192 in. (487.68 cm); @ 192 in. (487.68 cm) 156 in. (396.24 cm) × 78 in. (198.12 cm); @ 98.4 in. (249.93 cm) 360 in. (914.40 cm) × 132 in. (335.28 cm); @ 252 in. (640.08 cm)
Tilt Angles	0° to 180°
Output Maximum Contact Voltage Maximum Contact Current Maximum Switching Power	Relay (<i>free of potential change-over contact</i>) 42 V AC/DC 1 A (<i>resistive</i>) 30 W (DC); 60 VA (AC)
Output Hold Time	0.5 to 9 seconds (<i>adjustable</i>)
Reaction Time	100 ms
Minimum Detection Speed	2.2 in/s (5.59 cm/s)
LEDs	Green: Value indication Red: Detection state & parameter indication

Mains Frequency	50 to 60 Hz
Supply Voltage	12 to 24 VAC; ±10% 12 to 24 VDC; +30% / -10%
Maximum Power Consumption	< 2 W
Mounting Height Falcon Falcon XL Falcon Wide	11.5ft to 23ft (138 in. to 276 in.) 6.5ft to 11.5ft (78 in. to 138 in.) 11.5ft to 21ft (138 in. to 252 in.)
Dimensions (WxDxH)	4.14 in. × 6.54 in. × 3.82 in. (10.52 cm × 16.61 cm × 9.70 cm)
Materials	ABS & Polycarbonate
Temperature Range	-22° F (-30 ° C) to +140° F (60 ° C)
Degree of Protection	NEMA 4 (IP65)
Humidity	0-95% non condensing
Norm of Conformity	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC

Dimensions:



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