

FALCON FAMILY

MOTION SENSOR FOR INDUSTRIAL DOORS, GATES & WARNING INDICATION



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CERTIFICATIONS







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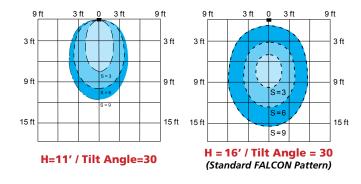
DESCRIPTION

BEA's **FALCON FAMILY** of sensors is the premier microwave activation solution for indoor and outdoor industrial applications. The family includes the **FALCON, FALCON XL** (extra low mount) and **FALCON WIDE** (for wide detection areas).

The sensor is capable of providing pedestrian and parallel traffic rejection, reducing unwanted detections and door cycles.

BEA's **FALCON FAMILY** is ideal for automatic industrial doors, vehicle gates / barriers, vehicle detection, loading docks or any other industrial application where motion detection is required.

Housed in a IP65 rated enclosure, the **FALCON FAMILY** is designed to operate in harsh environments.



9 ft 9 ft 18 ft 0 18 ft _ _ 15° 9 ft 9 ft 12 ft 12 ft 15 ft 15 ft 20 ft 20 ft 45° H = 8' / Tilt Angle = 30 H = 11.5' / Sensitivity = 9 (FALCON XL Pattern) (FALCON Wide Pattern)

Energy Savings

Bidirectional, unidirectional approach and unidirectional depart microwave detection options

Adjustable Detection Settings

Six modes of detection filtering for pedestrian and parallel traffic rejection

Remote Control Adjustments

Remote control programming enables user to quickly and safely make changes from the ground

Adjustable Angle

Tilt angle from 0 to 180°

Rated For Harsh Environments

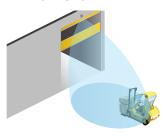
IP65 rated enclosure

FALCON

Norm Conformity

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APPLICATIONS









Factory Entrances

Pedestrian & Parallel Traffic Rejection

Parking Garage Detection

Barrier Arm Activation

TECHNICAL SPECIFICATIONS

Technology Radiated Frequency Transmitter Radiated Frequency Radiated Power Density	Microwave Doppler Radar 24.150 GHz < 20 dBm EIRP < 5 mW / cm ²
Detection Mode	Motion
Detection Zone FALCON	13' × 16' @ 16'

Tilt Angles	Typical at 30° and field size 9 0 – 180°
FALCON WIDE	30' × 11' @ 21'
FALCON XL	13' × 6 ½' @ 8 ½'

Till Aligics	0 100
Output	Relay (free of potential change-over contact)
Max. Contact Voltage	42 VAC / VDC
Max. Contact Current	1 A (resistive)
Max. Switching Power	30 W (DC); 60 VA (AC)
Minimum Detection Speed	2 in / s*

William Detection Speed	2 111 / 3	
Mains Frequency	50 – 60 Hz	
Supply Voltage	12 – 24 VAC; ±10% 12 – 24 VDC; 30% / -10%	
Power Consumption	< 2 W	
Mounting Height		

11 ½ – 23′

EMC: 2004 / 108 / EC

Material	ABS & Polycarbonate	
Dimensions	3 ¾" (W) × 4" (H) × 5" (L)	
FALCON WIDE	11 ½ – 21′	
FALCON XL	6 1/2 - 11 1/2	

Temperature Range -22 – 140 °F

Degree of Protection IP65

R&TTE: 1999 / 5 / EC *Measured in optimal conditions

PRODUCT SERIES



10FALCON Standard mounting heights



10FALCONXLLow mounting heights



10FALCONWWide detection fields



10FALCONEXExplosion proof
motion sensor series



10INDBRACKET Adjustable mounting bracket



10MINIBRACKET Short adjustable mounting bracket



10REMOTE BEA universal remote control



10WBA Universal mounting bracket arm



10WBAMOUNTUnivertsal mounting bracket plate

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