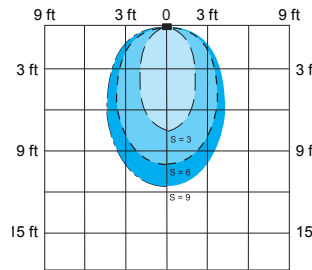


FALCON

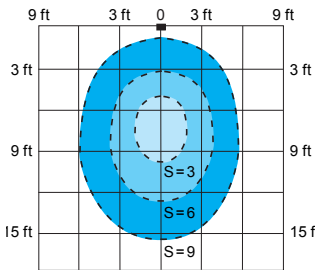
MOTION SENSOR FOR INDUSTRIAL DOORS AND GATES



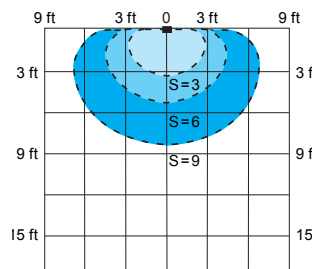
PRIMARY APPLICATIONS



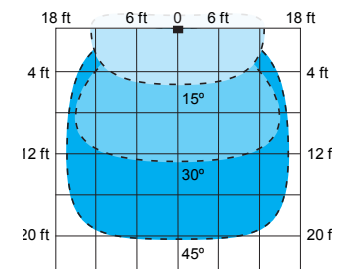
H=11' / Tilt Angle=30



**H = 16' / Tilt Angle = 30
(Standard Falcon Pattern)**



**H = 8' / Tilt Angle = 30
(Falcon XL Pattern)**



**H = 11.5' / Sensitivity = 9
(Falcon Wide Pattern)**

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 larger detection areas).

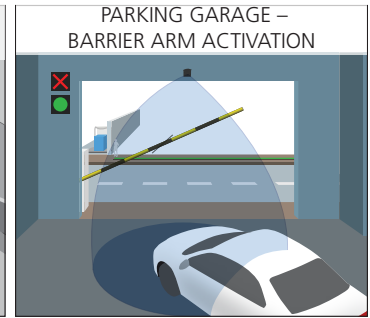
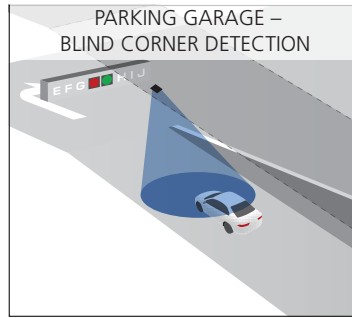
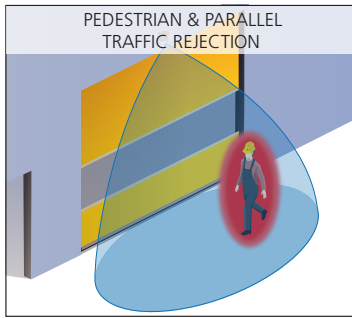
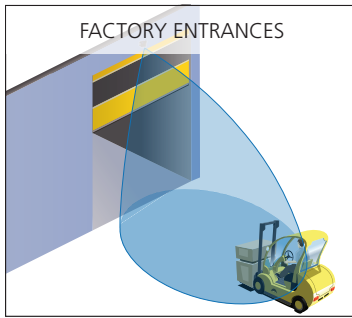
BEA's Falcon family is ideal for automatic industrial doors, vehicle gates/barriers, vehicle detection, loading docks or any other industrial application where motion detection is required.

Housed in a rugged NEMA 4 rated enclosure, the Falcon family will operate in harsh environments, capable of withstanding damage caused by wind-blown dust and rain and hose-directed water.

FEATURES & BENEFITS

- Bidirectional, unidirectional approach and unidirectional depart microwave detection options
- Six modes of detection filtering are available for microwave immunity, as well as pedestrian and parallel traffic rejection
- Falcon family provides three different models with various mounting heights and detection zones (see technical specifications)
- Relay hold time can be configured from .5 to 9 seconds
- Remote control programming enables user to quickly and safely make changes from the ground
- Tilt angle from 0° to 180°
- NEMA 4 rated enclosure

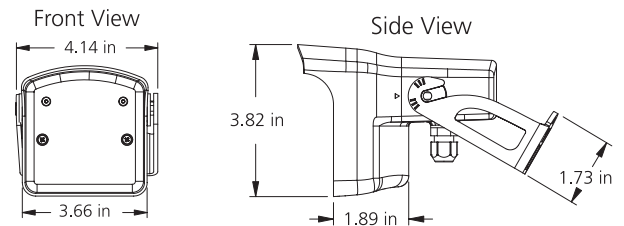
APPLICATIONS



TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar
Radiated Frequency	24.125 GHz
Transmitter Radiated Frequency	< 20 dBm EIRP
Radiated Power Density	< 5 mW / cm ²
Detection Mode	Motion
Detection Zone (WxD)	
Falcon (narrow pattern)	156 in x 192 in; @ 192 in
Falcon XL (wide pattern)	156 in x 78 in; @ 98 in
Falcon Wide (extra wide pattern)	360 in x 132 in; @ 252 in
Tilt Angles	0° to 180°
Output	Relay (free of potential change-over contact)
Maximum Contact Voltage	42 V AC/DC
Maximum Contact Current	1 A (resistive)
Maximum Switching Power	30 W (DC); 60 VA (AC)
Output Hold Time	0.5 to 9 seconds (adjustable)
Reaction Time	100 ms
Minimum Detection Speed	2.2 in/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	138 in to 276 in (11.5 ft to 23 ft)
Falcon XL	78 in to 138 in (6.5 ft to 11.5 ft)
Falcon Wide	138 in to 252 in (11.5 ft to 21 ft)
Dimensions (W x L x H)	4.14 in x 6.54 in x 3.82 in
Materials	ABS & Polycarbonate
Temperature Range	-22° F to +140° F
Degree of Protection	NEMA 4 / IP65
Humidity	0-95% non condensing
Norm of Conformance	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC

DIMENSIONAL DRAWINGS



SERIES BREAKDOWN



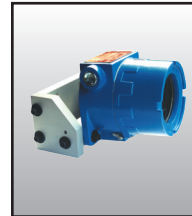
10FALCON
STANDARD
MOUNTING HEIGHTS



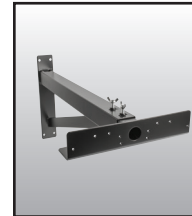
10FALCONXL
LOW MOUNTING
HEIGHTS



10FALCONW
WIDE MOUNTING
HEIGHTS



10FALCONEX
EXPLOSION PROOF
AND EXXL



10INDBRACKET
ADJUSTABLE
MOUNTING BRACKET



10MINIBRACKET
SHORT ADJUSTABLE
MOUNTING BRACKET



10REMOTE
BEA UNIVERSAL
REMOTE CONTROL

