

BEA FALCON FAMILY

FOR INDOOR
& OUTDOOR
APPLICATIONS

RELIABLE
MOTION
DETECTION

WITHSTANDS
HARSH
ENVIRONMENTS

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).

- **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**

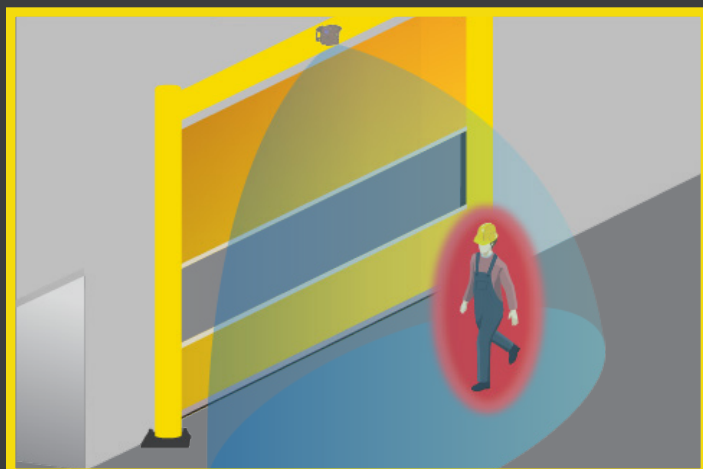
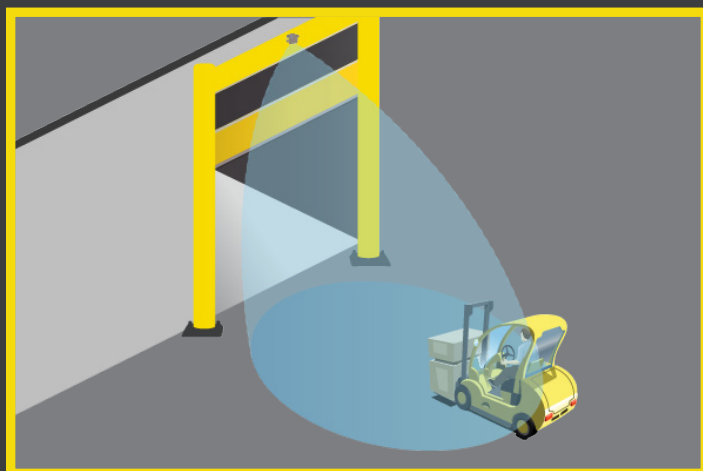
Remote control programming enables user to quickly and safely make changes from the ground

- **ADJUSTABLE ANGLE**

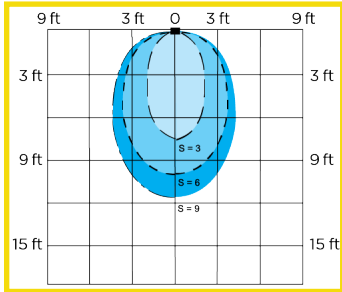
Tilt angle from 0 to 180°

- **RATED FOR HARSH ENVIRONMENTS**

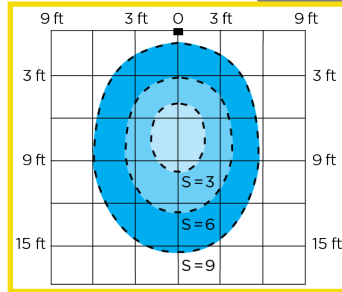
IP65 rated enclosure



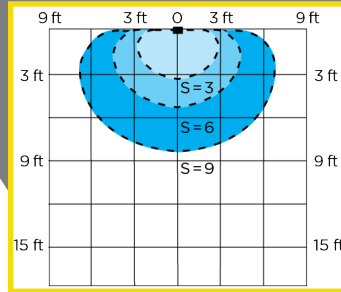
TECHNICAL SPECIFICATIONS



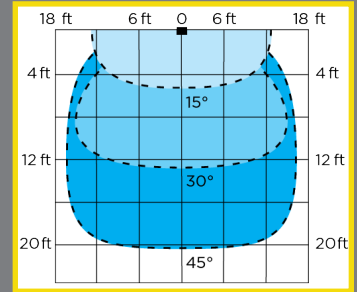
H = 11' / Tilt Angle = 30



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



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



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

TECHNOLOGY	Microwave Doppler Radar
RADIATED FREQUENCY	24.150 GHz
TRANSMITTER RADIATED FREQUENCY	< 20 dBm EIRP
RADIATED POWER DENSITY	< 5 mW / cm ²
DETECTION MODE	Motion
DETECTION ZONE	
FALCON	13' × 16' @ 16'
FALCON XL	13' × 6 1/2' @ 8 1/5'
FALCON WIDE	30' × 11' @ 21' Typical at 30° and field size 9
TILT ANGLES	0 - 180°
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*
MAINS FREQUENCY	50 - 60 Hz
SUPPLY VOLTAGE	12 - 24 VAC; ±10% 12 - 24 VDC; 30% / -10%
POWER CONSUMPTION	< 2 W
MOUNTING HEIGHT	
FALCON	11 1/2 - 23'
FALCON XL	6 1/2 - 11 1/2'
FALCON WIDE	11 1/2 - 21'
DIMENSIONS	3 3/4" (W) × 4" (H) × 5" (L)
MATERIAL	ABS & Polycarbonate
TEMPERATURE RANGE	-22 - 140° F
DEGREE OF PROTECTION	IP65
NORM CONFORMITY	EMC: 2004 / 108 / EC R&TTE: 1999 / 5 / EC

*Measured in optimal conditions

PRODUCT SERIES



10FALCON



10FALCONXL



10FALCONW



10REMOTE

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