



IS40 / IS40XL

MOTION & PRESENCE SENSOR FAMILY
FOR INDUSTRIAL DOORS



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TECHNOLOGY



CERTIFICATIONS

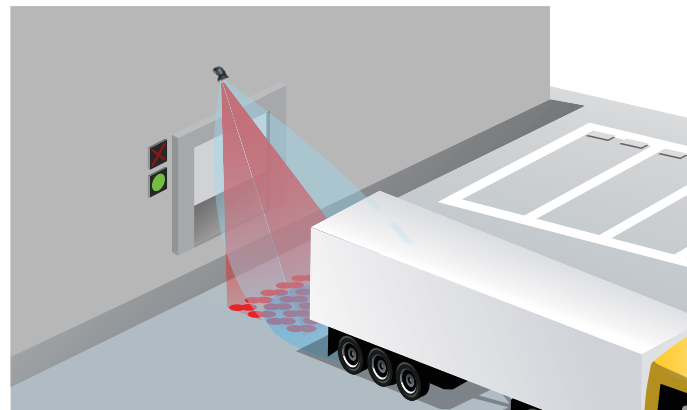
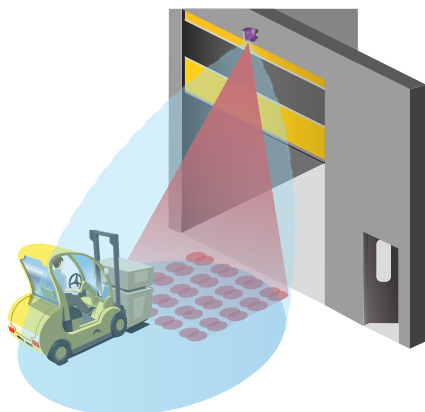


DESCRIPTION

BEA's **IS40 / IS40XL** are dual technology sensors designed to provide motion and presence detection in industrial applications.

The standard **IS40** can be mounted from 8 feet to 16 feet to fit any industrial application. For lower mounting heights, BEA's **IS40XL** can be mounted from 6 ½ feet to 11 ½ feet.

Housed in a rugged IP65 rated enclosure, the **IS40 / IS40XL** will operate in harsh environments, capable of withstanding damage caused by wind-blown dust and rain and hose-directed water.



Energy Savings

Bidirectional, unidirectional approach and unidirectional depart microwave detection options

Adjustable Detection Settings

Six modes of detection filtering are available for microwave immunity, as well as pedestrian and parallel traffic rejection

Customizable Patterns

Nine unique infrared patterns capable of highly flexible presence detection in any industrial environment

Reduce False Detections

Adjustable infrared immunity modes mitigate environmental disturbances such as subtle door vibrations, light and sun

Programmable Via Remote

Remote control programming enables user to quickly and safely make changes from the ground (sold separately)

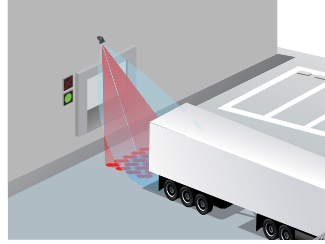
APPLICATIONS



IS40: Industrial Mounting Heights



IS40XL: Lower Mounting Heights



40 IR Spots Accurately Trigger Signals

TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Active Infrared
Detection Mode	Motion	Presence
LED Signal	Green (Activation Relay)	Red (Presence Relay)
Transmitter Frequency / Wavelength	24.150 GHz	875 nm
Transmitter Power Density	< 5mW / cm ²	< 250 mW / m ²
Max. Detection Field		
IS40	13' x 16 1/2'	10' x 10'***
IS40XL	13' x 6 1/2'*	7 1/2' x 7 1/2'***
Output Hold Time	0.5 s – 9 s	0.5 s
Min. Detection Speed	2 in / s	0 in / s to activate detection
Tilt Angle	-8 – 22° (Relative to sensor face)	15 – 45°
Mains Frequency	50 – 60 Hz	
Power Consumption	< 3.5 W	
Output	2 relays (free of potential change-over contact)	
Max. Contact Voltage	42 VAC / VDC	
Max. Contact Current	1 A (resistive)	
Max. Switching Power	30 W (DC) / 48 VA (AC)	
Installation Height		
IS40	8 – 16'	
IS40XL	6 1/2 – 11 1/2'	
Temperature Range	-22 – 140 °F	
Dimensions	3 3/4" (W) x 4" (H) x 5" (L)	
Material	ABS & Polycarbonate	
Cable Length	32'	
Degree of Protection	NEMA 4 / IP65	
Norm Conformity	R&TTE: 1999 / 5 / EC; EMC 2004 / 108 / EEC	

*Determines field size

**Measured at 30° / Field size 9 / Mounting Height: 16', XL: 11 1/2'

***Zone detected with the SPOTFINDER, is slightly larger than the effective detection field

PRODUCT SERIES



10IS40
Motion & presence sensor



10IS40XL
Extra-low motion & presence sensor



10INDBRACKET
Industrial mounting bracket



10MINIBRACKET
Short adjustable mounting bracket



10WBA
Universal mounting bracket arm



10WBAMOUNT
Universal mounting bracket plate



10SPOTFINDER
Infrared spotfinder



10REMOTE
BEA universal remote control

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