

IS40/IS40XL

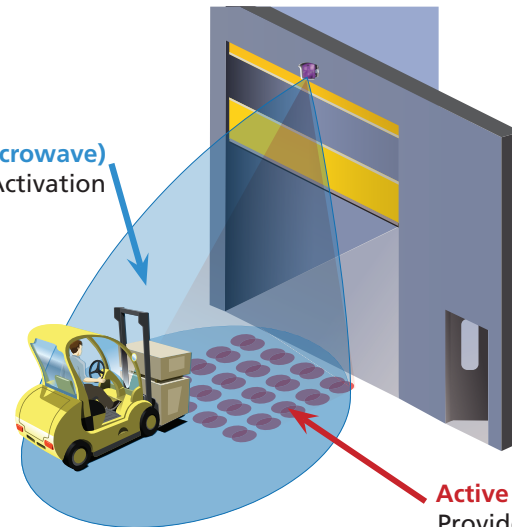
DUAL TECHNOLOGY SENSORS FOR INDUSTRIAL DOORS



PRIMARY APPLICATIONS



Radar (Microwave)
Provides Activation



Active Infrared
Provides Presence

DESCRIPTION

BEA's IS40/IS40XL is ideal and unique in its ability to provide motion and presence detection in industrial applications and doors. This provides the ability to detect vehicles, industrial carts, people and other objects. BEA also provides the IXIO-DT1 Industrial as a similar dual technology sensor for small-frame industrial doors.

The standard IS40 can be mounted from 96 to 192 inches (8 ft x 16 ft) to fit any industrial application. For lower mounting heights, BEA's IS40XL can be mounted from 78 to 138 inches (6.5 ft x 11.5 ft).

Housed in a rugged NEMA 4 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.

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
- Nine unique infrared patterns capable of highly flexible presence detection in any industrial environment
- Up to seven minimum object target sizes allow the user to detect objects of various desired sizes
- Adjustable infrared immunity modes mitigate environmental disturbances such as subtle door vibrations, light, sun, rain and snow
- Remote control programming enables user to quickly and safely make changes from the ground



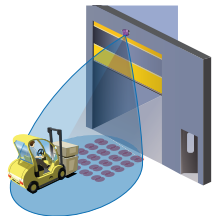
A HALMA COMPANY

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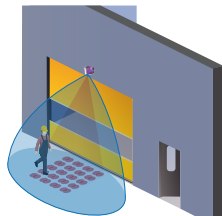
Customer Service: 800.523.2462
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www.BEAinc.com

APPLICATIONS

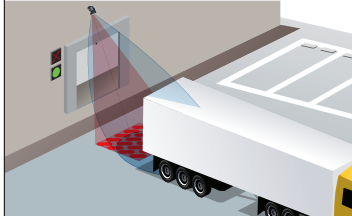
IS40: INDUSTRIAL MOUNTING HEIGHTS



IS40XL: LOWER MOUNTING HEIGHTS



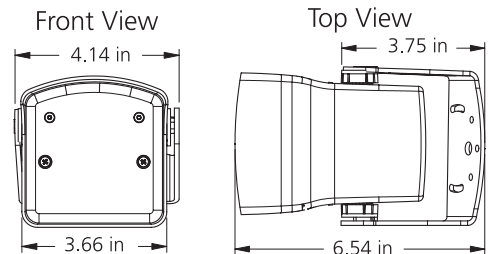
40 IR SPOTS ACCURATELY TRIGGER SIGNALS



TECHNICAL SPECIFICATIONS

Technology	Microwave Doppler Radar	Active Infrared
LED Signal	Green (Activation Relay)	Red (Presence Relay)
Radiated Frequency	24.175 GHz	875 nm
Radiated Power Density	< 5 mW/cm ²	< 250 mW/m ²
Detection Mode	Motion	Presence
Max. Detection Field (IS40)	156 in x 192 in	120 in x 120 in
Max. Detection Field (IS40XL)	156 in x 78 in	90 in x 90 in
Output Hold Time	0.5 s to 9 s	0.5 s
Minimum Target Speed	2 in/s in sensor axis	0 in/s
Radar Angle / Sensor angle	-8° to 22° (Relative to sensor face)	15°, 30°, 45°
Sensor Tilt Angle	15° to 45°	
Supply Voltage	12 to 24 VAC ±10% 12 to 24 VDC +30% / -5%	
Mains Frequency	50 to 60 Hz	
Power Consumption	< 3.5 W	
Relay Output	2 Relays with switch-over contact (voltage free)	
Max. Voltage	60 VDC / 125 VAC	
Max. Current	1A (resistive)	
Max. Switching Power	30W (DC) / 60VA (AC)	
Installation Height	IS40: 96 in - 192 in (8 ft - 16 ft) IS40XL: 78 in - 138 in (6.5 - 11.5 ft)	
Temperature Range	-22°F to +140°F	
Dimensions (DxWxH)	5 in x 4 in x 3.75 in	
Material: Housing / Face	ABS & Polycarbonate	
Cable Length	360 in	
Degree of Protection	NEMA 4 / IP65	
Norm Conformance	Electromagnetic compatibility (EMC) according to 2004/108/EEC, R&TTE: 1999/5/EC	

DIMENSIONAL DRAWINGS



PRODUCT FAMILY



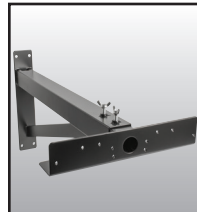
10IS40
MOTION & PRESENCE
SENSOR



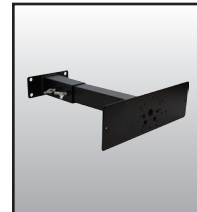
10IS40XL
EXTRA-LOW MOTION
& PRESENCE SENSOR



10IS40P
PRESENCE SENSOR



10INDBRACKET
INDUSTRIAL
MOUNTING BRACKET



10MINIBRACKET
SHORT ADJUSTABLE
MOUNTING BRACKET



10SPOTFINDER
INFRARED
SPOTFINDER



10REMOTE
BEA UNIVERSAL
REMOTE CONTROL

