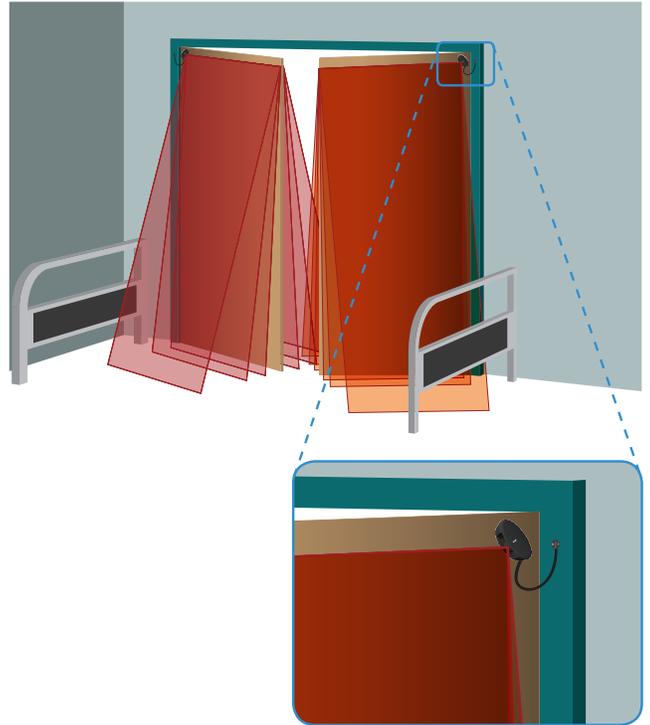


LZR[®]-MICROSCAN

STAND-ALONE, DOOR-MOUNTED, SWING DOOR SAFETY SYSTEM



PRIMARY APPLICATION



DESCRIPTION

BEA's LZR-microscan is the premier safety sensor system, compatible with every swing door on the market.

Using sophisticated laser-based technology, combined with motion sensing gyroscopes, LZR-microscan eliminates all past limitations of infrared-based devices.

BEA's Laser Time-of-Flight solution utilizing background independence eliminates nuisance detections caused by changing weather and floor conditions.

BEA's gyroscopic technology provides adjustable pattern depths that exceed the ANSI 156.10 8.2.2.3 standard and offer 100% coverage in all door states (fully open, fully closed and in motion).

FEATURES & BENEFITS

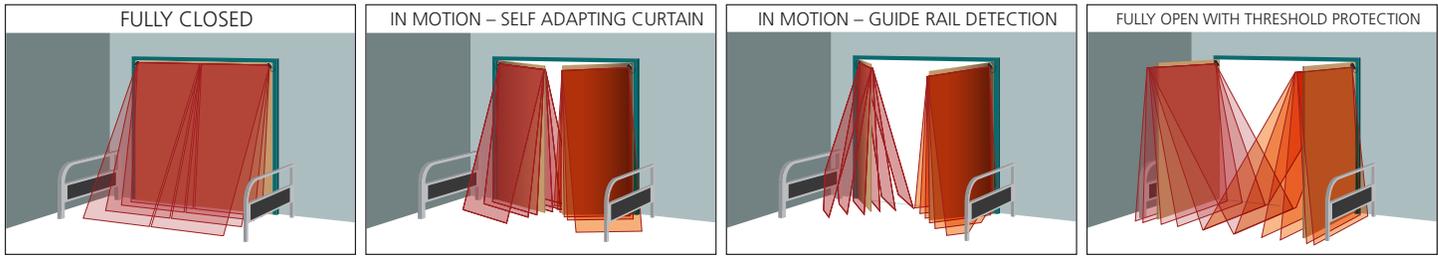
- Efficient plug & play technology and universal door compatibility greatly reduces installation time
- Centralized Hub with intuitive LCD user interface with simplified three-step programming greatly reduces setup time
- High definition, self-adapting detection zones, coupled with reduced uncovered zones create the most accurate and reliable safety sensor
- BEA's unique "zip code" troubleshooting and on-board error log provide the Industry with the easiest system maintenance solution
- Three "traffic modes" for normal, high or extreme traffic flow
- The UL mark ensures adherence to the highest standards of quality, safety and limited liability



BEA, Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh, PA 15275-1213

Customer Service: 800.523.2462
Technical Support: 800.407.4545
www.BEAinc.com

APPLICATIONS

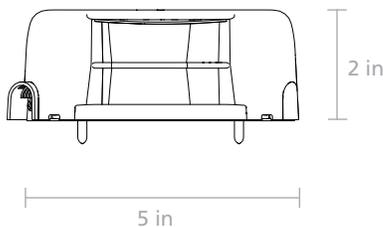


TECHNICAL SPECIFICATIONS

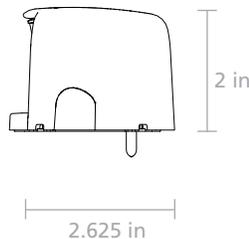
Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Presence
Maximum Door Width	20 in to 48 in (measured from finished floor to sensor LED)
Mounting Height	75 in to 98 in (6.25 ft to 8 ft) (measured from finished floor to sensor LED)
Remission Factor	> 2%
Angular Resolution	2.56°
Testbody (HxWxD)	28 in x 12 in x 8 in (according to UL325)
Emission Characteristics IR laser	Wavelength 905 nm; Maximum Output Pulse Power 35 W (CLASS 1)
Supply Voltage	12 – 24 VAC ± 5% / 12 – 30 VDC ± 10% (15 W Class II) <i>(Varies per application, contact BEA tech service)</i>
Power Consumption	15 W maximum
Response Time	Typ. 40 ms; Max. 80 ms
Output	4 Electro-mechanic Relays (Polarity Free)
Input	2 Optocouplers (Galvanic Isolated, Polarity Free)
Test Input*	8 – 15 VDC
Temperature Range	-13°F to +121°F (-25°C to +55°C)
Degree of Protection	Hub: IP20/NEMA 1 Sensor: IP53/NEMA 3
Humidity	0 – 95% Non-condensing
Vibrations	< 2 G
Material	PC/ASA
Norm Conformance	EN 60825-1-Eye-safety class 1 IR laser (905 nm), UL325, UL6730
Mounting Angle (rotational)	35° fixed
Tilt Angle	0° to 5° (for angles less than 5° contact Technical Support)
Pollution on Front Screens	Maximum 30%; Homogenous

DIMENSIONAL DRAWINGS

FRONT VIEW



SIDE VIEW



SERIES BREAKDOWN



10LZRMICROSCAN1
SINGLE SWING
DOOR KIT



10LZRMICROSCAN2
SIM PAIR / DUAL
EGRESS KIT



10LZRMICROSCAN1U
CUSTOM SINGLE
UNIVERSAL KIT



10LZRMICROSCAN2U
CUSTOM PAIR / DUAL
UNIVERSAL KIT



10LZRMICROHUB
LZR-MICROSCAN HUB



10MICROSCANMOUNT
MOUNTING ARM



70.5554
MOUNTING SPACER



10LZRMICROLEFT
LEFT MOUNT SENSOR



10LZRMICRORIGHT
RIGHT MOUNT
SENSOR



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Y-HARNES

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LZR® - MICROSCAN

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