LZR®-MICROSCAN T

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

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TECHNOLOGY

CERTIFICATIONS

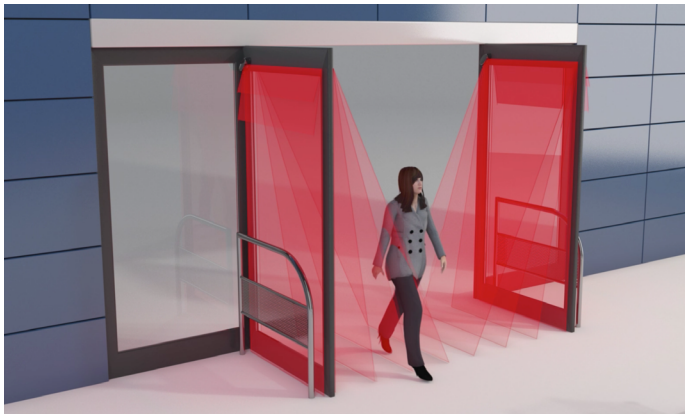
ANSI

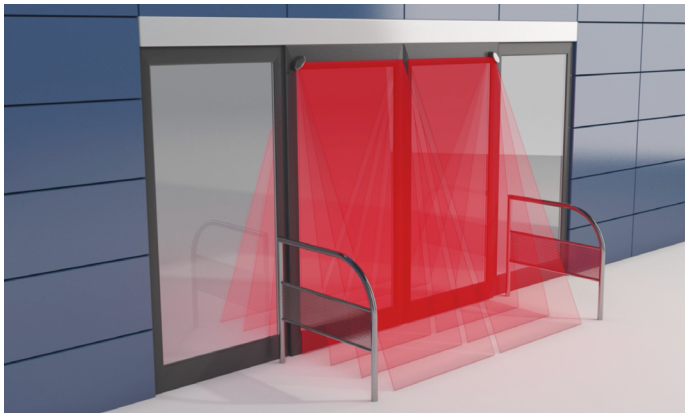
DESCRIPTION

BEA's **LZR®-MICROSCAN T** is a LASER-based sensor system designed for automatic swing doors.

Utilizing Time-of-Flight technology, the **LZR®-MICROSCAN T** eliminates the limitations of infrared-based devices. Its background independence eliminates nuisance detections caused by changing weather and floor conditions, while gyroscopes sense the movement of the door for accurate positioning.

The **LZR®-MICROSCAN T** provides adjustable pattern depths that exceed the ANSI 156.10 8.2.2.3 standard and offer 100 percent coverage in all door states (fully open, fully closed, opening and closing).





Easy To Install

Plug & play technology utilizing a centralized hub and intuitive LCD interface greatly reduces installation and setup time

Highly Accurate Detection

High resolution, self-adapting detection zones, coupled with reduced uncovered zones create the most accurate and reliable safety sensor

Built-In Troubleshooting

On-board error log ensures easy technical support

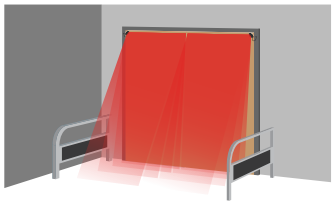
Standards Compliant

Fully monitored internally, capable of external monitoring

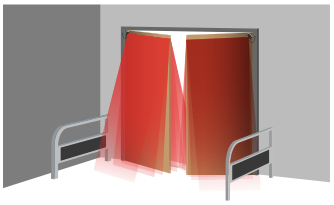
UL 10B/C Listed

Fire rated for up to three hours

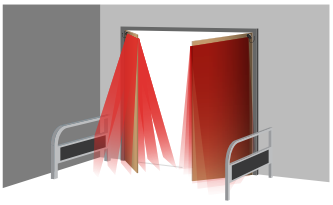
APPLICATIONS



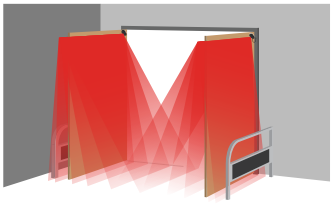
Fully Closed



In Motion – Self Adapting Curtain



In Motion – Learns Guiderails



Fully Open With Threshold Protection

TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Presence
Min. / Max. Door Width	20 – 48" (measured from leading edge to sensor LED)
Mounting Height	75 – 98" (measured from finished floor to sensor LED)
Remission Factor	> 2%
Angular Resolution	2.56°
Testbody	28" (H) × 12" (W) × 8" (D)
Emission Characteristics	
IR LASER	Wavelength 905 nm; Maximum Output Pulse Power 35 W (Class I)
Supply Voltage	12 – 30 VDC (15 W Class II)
Power Consumption	< 15 W
Response Time	Typ. 40 ms; Max. 80 ms
Output Rating	4 electro-mechanic relays (galvanic isolated - polarity free) All outputs Class 2 supply, 12 – 24 VAC, 12 – 30 VDC, Max. 15 W
Input Rating	2 optocouplers (galvanic isolated - polarity free) 12 – 24 VAC, 50 / 60 HZ, 12 – 30 VDC, Max. 15 W
Test Input*	8 – 15 VDC
Temperature Range	-13 – 121 °F (-25 – 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 Conformity	EN 60825-1-Eye-safety class 1 IR LASER (905 nm), UL 10B/C Fire Rated 3 hrs (file #R39071)
Mounting Angle (rotational)	35° fixed
Tilt Angle	0 – 5° (for angles less than 5° contact Technical Support)
Pollution on Front Screens	Maximum 30%; Homogenous

PRODUCT SERIES

10LZRMICROSCAN1T
Single swing door kit

10LZRMICROSCAN2T
Sim pair / dual egress kit

10LZRMICROSCAN1UT
Custom single universal kit

10LZRMICROSCAN2UT
Custom pair / dual universal kit

10LZRMICROSCANHUBT
LZR®-MICROSCAN hub

10MICROSCANMOUNT
Mounting arm

70.5554
Mounting spacer

10LZRMICROLEFTT
Left mount sensor

10LZRMICRORIGHTT
Right mount sensor

10MICROSCAN-Y
Y-Harness

10MICROSCAN-UKIT
Universal accessory kit

70.5745
Sentrex retrofit accessory

35.1321
Replacement sensor cover, Black

LZR®-MICROSCAN T STAND-ALONE, DOOR-MOUNTED, SWING DOOR SAFETY SYSTEM

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