



LZR®-MICROSCAN T

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



VIDEO



[Watch the product video](#)

TECHNOLOGY



CERTIFICATIONS



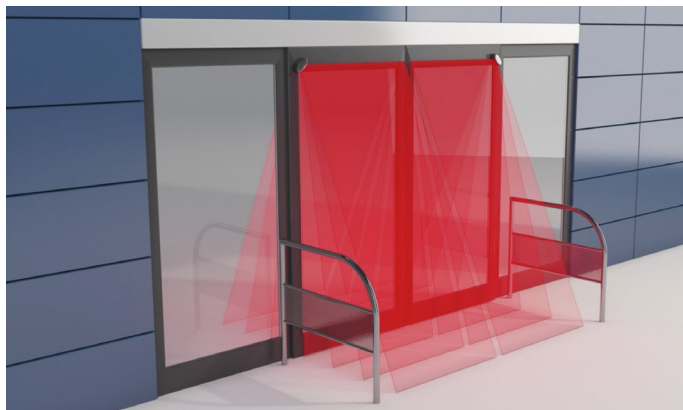
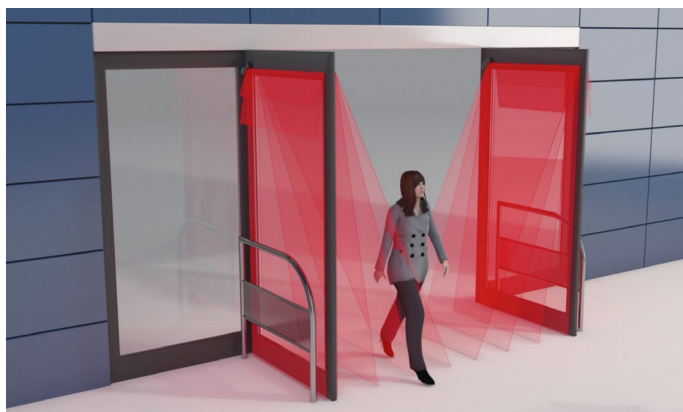
DESCRIPTION

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

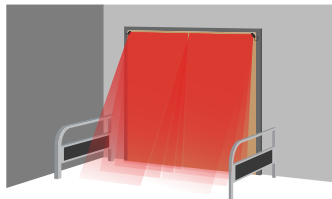
Standards Compliant

Fully monitored internally, capable of external monitoring

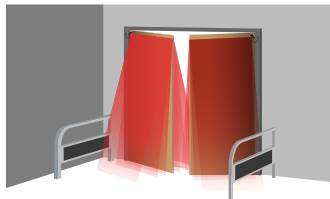
UL 10B/C Listed

Fire rated for up to three hours

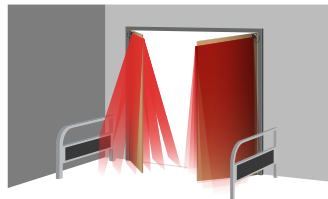
APPLICATIONS



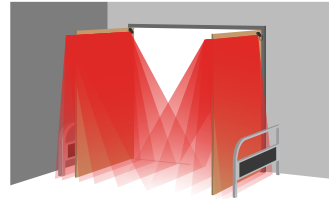
Fully Closed



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 I)
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



10LZRMICROSCANHUB
LZR®-MICROSCAN hub



10MICROSCANMOUNT
Mounting arm



70.5554
Mounting spacer



10LZRMICROLEFT
Left mount sensor



10LZRMICRORIGHT
Right mount sensor



10MICROSCAN-Y
Y-Harness



10MICROSCAN-UKIT
Universal accessory kit



70.5745
Sentrex retrofit accessory



35.1321
Replacement sensor
cover, Black

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