



LZR[®]-MICROSCAN T

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



LEARN MORE



click or scan

TECHNOLOGY



CERTIFICATIONS



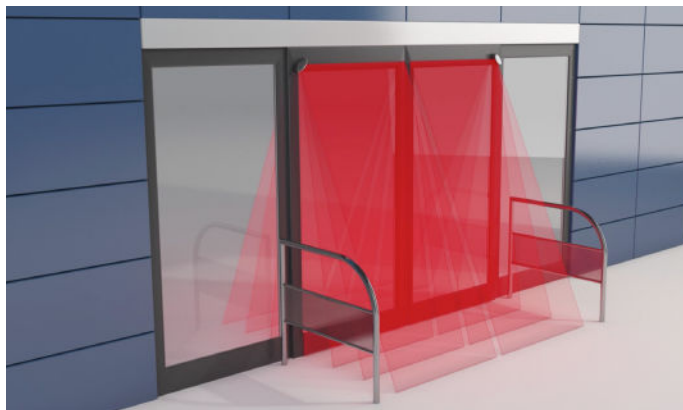
DESCRIPTION

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

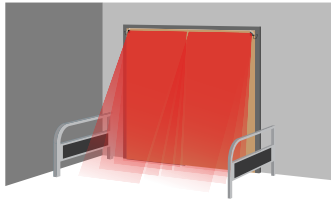
Standards Compliant

Fully monitored internally, capable of external monitoring

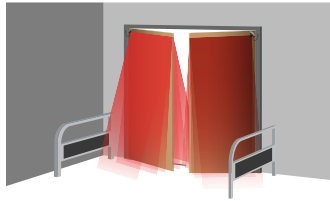
UL 10B/C Listed

Fire rated for up to three hours

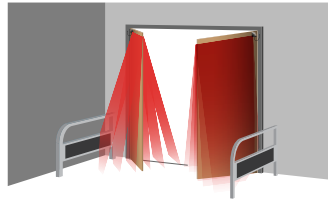
APPLICATIONS



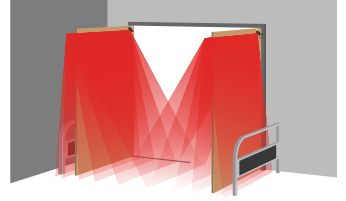
Fully Closed



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 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

 <p>10LZRMICROSCAN1T Single swing door kit</p>	 <p>10LZRMICROSCAN2T Sim pair / dual egress kit</p>	 <p>10LZRMICROSCAN1UT Custom single universal kit</p>
 <p>10LZRMICROSCAN2UT Custom pair / dual universal kit</p>	 <p>10LZRMICROSCANHUB LZR®-MICROSCAN hub</p>	 <p>10MICROSCANMOUNT Mounting arm</p>
 <p>70.5554 Mounting spacer</p>	 <p>10LZRMICROLEFT Left mount sensor</p>	 <p>10LZRMICRORIGHT Right mount sensor</p>
 <p>10MICROSCAN-Y Y-Harness</p>	 <p>10MICROSCAN-UKIT Universal accessory kit</p>	 <p>70.5745 Sentrex retrofit accessory</p>
 <p>35.1321 Replacement sensor cover, Black</p>		

DISCLAIMER Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will BEA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. BEA has the right without liability to change descriptions and specifications at any time.

WWW.BEASENSORS.COM



BEA AMERICAS / RIDC Park West / 100 Enterprise Drive / Pittsburgh, PA
T 1-800-523-2462 / F 1-888-523-2462 / E info-us@BEAsensors.com

A Halma company