

# LZR®-MICROSCAN T

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



**VIDEO** 

**TECHNOLOGY** 

**CERTIFICATIONS** 







Watch the product video

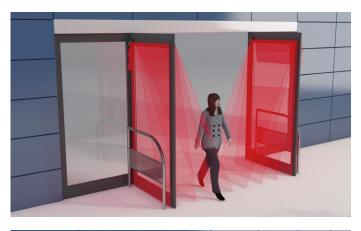
# **DESCRIPTION**

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).

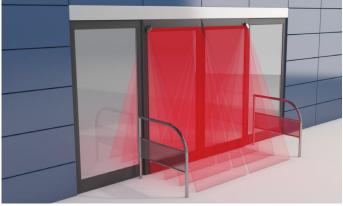


# Easy to Install

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



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



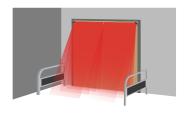
# **Built-In Troubleshooting**

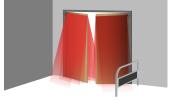
On-board error log ensures easy technical support

# **Standards Compliant**

Fully monitored internally, capable of external monitoring

## **APPLICATIONS**









**Fully Closed** 

In Motion – Self Adapting Curtain

In Motion - Learns Guiderails

Fully Open With Threshold Protection

#### **TECHNICAL SPECIFICATIONS**

Detection ModePresenceMin. / Max. Door Width20 – 48" (measured from leading edge to sensor LED)Mounting Height75 – 98" (measured from finished floor to sensor LED)Remission Factor> 2%Angular Resolution2.56°Testbody28" (H) × 12" (W) × 8" (D)Emission CharacteristicsWavelength 905 nm; Maximum Output Pulse Power 35 W (Class I)IR LASERWavelength 905 nm; Maximum Output Pulse Power 35 W (Class I)Power Consumption< 15 W	Technology	LASER scanner, Time-of-Flight measurement
(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 Conformance EN 60825-1-Eye-safety class 1 IR LASER (905 nm)  Mounting Angle (rotational) 35° fixed  Tilt Angle 0 – 5° (for angles less than 5° contact Technical Support)	Detection Mode	Presence
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Support)	Mounting Angle (rotational)	35° fixed
Pollution on Front Screens Maximum 30%; Homogenous	Tilt Angle	
	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

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