



LZR®-MICROSCAN T

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

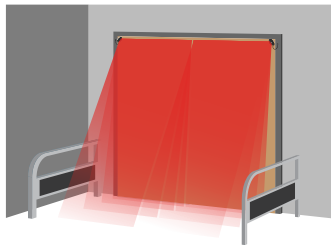
DESCRIPTION

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

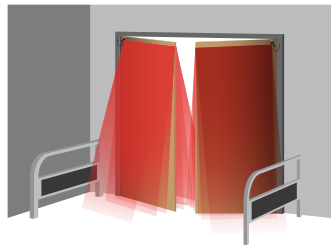
Utilizing Time-of-Flight technology, the **LZR®-MICROSCAN T** eliminates the limitations of infrared-based devices. Its background independence eliminates nuisance detections caused by changing weather and floor conditions, while gyroscopes sense the movement of the door for accurate positioning.

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).

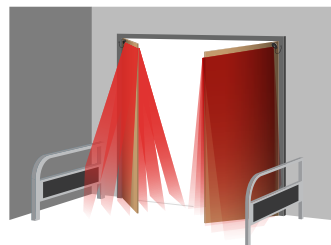
APPLICATIONS



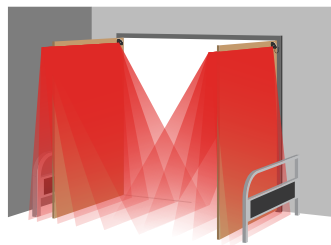
Fully Closed



In Motion – Self Adapting Curtain



In Motion – Learns Guidrails

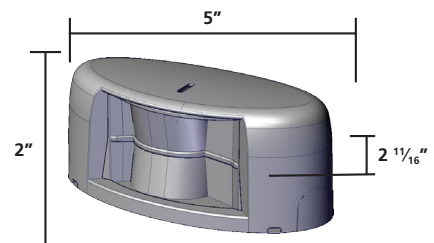


Fully Open With Threshold Protection



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) x 12" (W) x 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



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