LZR®-S600

LASER SCANNER FOR BUILDING AUTOMATION AND SECURITY

VIDEO

Watch the product video

TECHNOLOGY

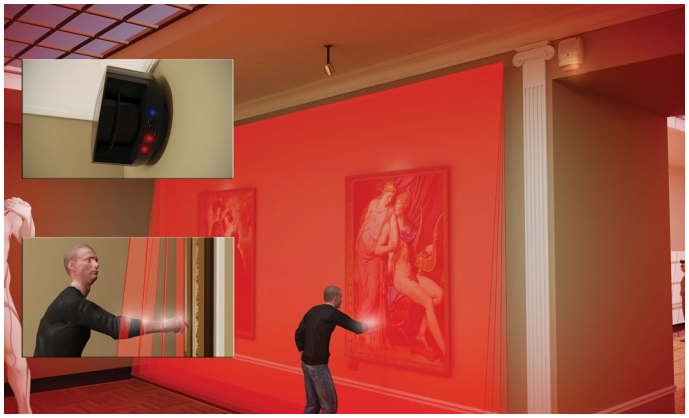
CERTIFICATIONS

DESCRIPTION

BEA's **LZR®-S600** is a LASER-based Time-of-Flight sensor. This high precision technology ensures accurate detection. The product configuration provides four LASER-based curtains offering a three dimensional presence detection zone.

BEA's **LZR®-S600** represents the largest detection field offered in our LASER Time-of-Flight product portfolio. This sensor is ideal for perimeter security protection, industrial automation and large industrial door / gate applications that require a wide field of detection.

The **LZR®-S600** is housed in an IP65 rated enclosure and can be installed in outdoor, industrial and other harsh environments. Three visible LED spots provide accurate reference points when adjusting the tilt angle. Parameter adjustments can be made with a BEA universal remote control.



BEA's Largest Detection Field

Maximum detection range of 82 × 82 ft

Safe And Reliable

External entrapment protection device capable of monitoring with interfaces building management systems

Reduce False Detections

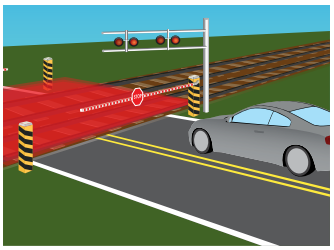
High immunity to environmental interferences

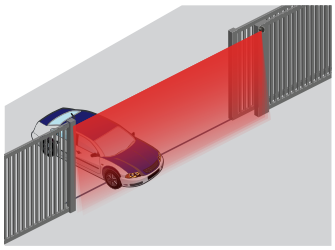
Eliminates False Detections

Has the ability to ignore dynamic ground conditions and extreme weather

APPLICATIONS


Security


Warning Indication


Large Industrial Gate


Mass Transit

TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion / Presence (EN 12453 Typ. E)
Detection Range	Default: 33′ × 33′ @ 2% remission factor (max. 82′ × 82′)
Detection Plane	4 curtains per sensor, curtain spread dependent on mounting height
Angular Resolution	0.3516°
Emission Characteristics	
IR LASER	Wavelength 905 nm; maximum output pulse power 75 W (CLASS 1)
Red Visible LASER	Wavelength 650 nm; maximum output CW power 3 mW (CLASS 3R)
Supply Voltage	10 – 35 VDC @ sensor side
Peak Current at Power-On	1.8 A (Max. 80 ms @ 35 V)
Power Consumption	< 5 W
Response Time	Typ. 20 ms; max. 80 ms (+ output activation delay)
Output	2 electronic relays (galvanic isolated – polarity free)
Max. Switching Voltage	35 VDC / 24 VAC
Max. Switching Current	80 mA (resistive)
LED-Signal	1 Blue LED: Power-on Status 1 Orange LED: Error Status 2 Bi-colored LEDs: Detection / Output Status (Green = no detection, Red = detection)
Dimensions	
Housing	5″ (W) × 2 ¾″(H) × 3 ⅔ (D)
10LBA	Adds 1 1/20″
Cable Length	30′
Material	PC / ASA
Color	Black
Rotation Angle on Bracket	±5° (Lockable)
Tilt Angle on Bracket	±3°
Degree of Protection	NEMA 4 / IP65
Temperature Range	-22 – 140 °F if powered 14 – 140 °F if unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Pollution on Front Screens	Max. 30% ; Homogenous
Norm Conformity	2006 / 95 / EC: LVD; 2002 / 95 / EC: RoHS; 2004 / 108 / EC: EMC; IEC 60529:2001; IEC 60825-1:2007; IEC 60950-1:2005; IEC 61000-6-2:2005; IEC 61000-6-3:2006

PRODUCT SERIES


10LZRS600
LASER scanner for building automation and security


10LZRI30
LZR-I30 sensor


10LBA
LZR mounting bracket accessory


10INDBRACKET
20 – 26″ extension bracket


10MINIBRACKET
6 – 12″ extension bracket


10REMOTE
BEA universal remote control


10PSST242
242VDC 2A Plug-in Power supply

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