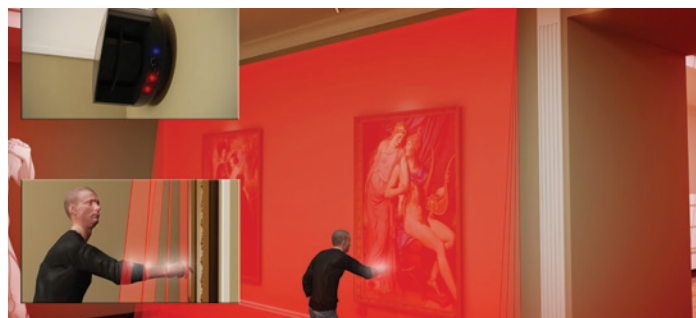


LZR[®]-s600

LASER SCANNER FOR BUILDING AUTOMATION AND SECURITY



PRIMARY APPLICATIONS



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 a NEMA 4 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 remote control.

FEATURES & BENEFITS

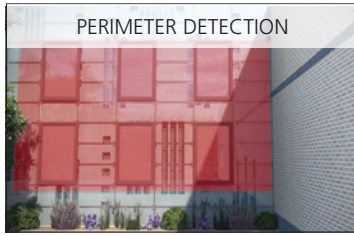
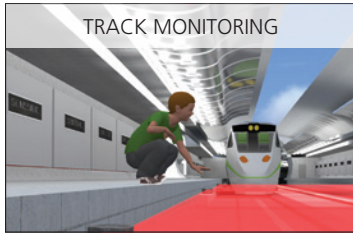
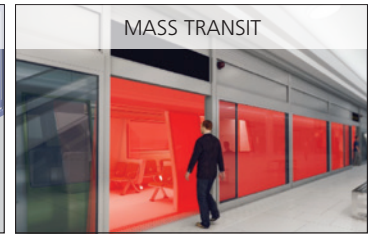
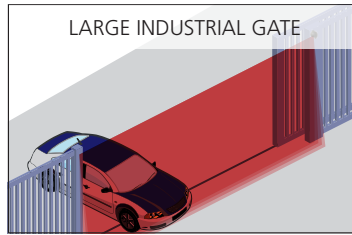
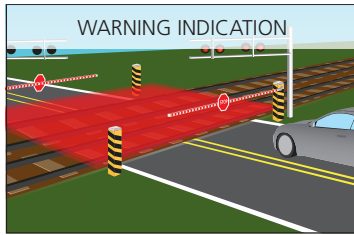
- Maximum detection range of 984 in x 984 in (82 ft x 82 ft)
- Degree of protection: NEMA 4 / IP65
- High immunity to environmental interferences
- Has the ability to ignore dynamic ground conditions and extreme weather



BEA, Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh, PA 15275-1213

Customer Service: 800.523.2462
Technical Support: 800.407.4545
www.BEAinc.com

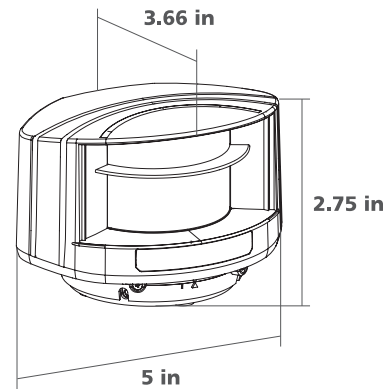
APPLICATIONS



TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion / Presence (EN 12453 Typ. E)
Max. Detection Range	984 in x 984 in (82 ft x 82 ft)
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
Red Visible LASER	Wavelength 650 nm; maximum output CW power 3 mW
Supply Voltage	10 – 35 VDC @ sensor terminal
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: Status « Power-on » 1 Orange LED: Status « Error » 2 Bi-colored LEDs: Detection/Output Status (Green: no detection; Red: detection)
Dimensions	
Housing	5 in (W) x 2.75 in (H) x 3.66 in (D)
10LBA	Adds 0.55 in
Cable Length	360 in (30 ft)
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 °F – 140 °F if powered 14 °F – 140 °F if unpowered
Humidity	0 – 95% non-condensing
Vibrations	< 2 G
Pollution on Front Screens	Max. 30%; Homogenous
Norm Conformance	2006 / 95 / EC: LVD; 2002 / 95 / EC: RoHS; 2004 / 108 / EC: EMC EN 60529:2001; IEC 60825-1:2007 Laser Class 1 & 3R; EN 60950-1:2005; EN 61000-6-2:2005 EMC - Industrial level EN 61000-6-3:2006 EMC - Commercial level

DIMENSIONAL DRAWINGS



RELATED PRODUCTS



10LZRS600
LZR-S600
SENSOR



10LZRI30
LZR-I30
SENSOR



10LBA
LZR MOUNTING
BRACKET ACCESSORY



10INDBRACKET
20 IN – 36 IN
EXTENSION BRACKET



10MINIBRACKET
6 IN – 12 IN
EXTENSION BRACKET



10REMOTE
BEA UNIVERSAL
REMOTE CONTROL
*REMOTE IS REQUIRED

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LZR®-s600

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BEA, Inc.
RIDC Park West
100 Enterprise Drive
Pittsburgh, PA 15275-1213

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Technical Support: 800.407.4545

