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
- External entrapment protection device capable of monitoring with interfaces/building management systems
- Has the ability to ignore dynamic ground conditions and extreme weather

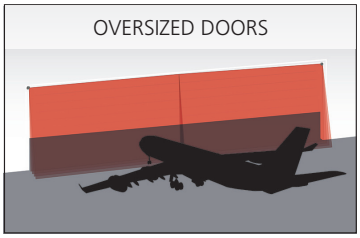
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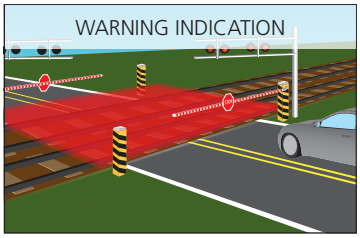
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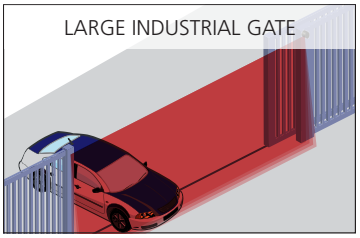
Customer Service: 800.523.2462
Technical Support: 800.407.4545
www.BEAinc.com

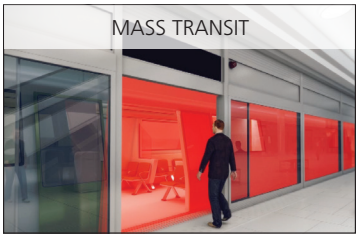
APPLICATIONS



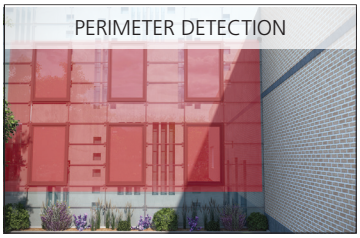








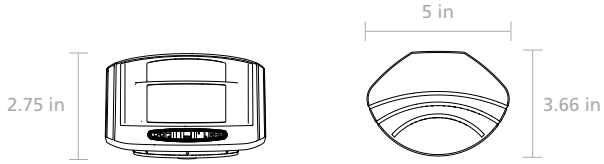




TECHNICAL SPECIFICATIONS

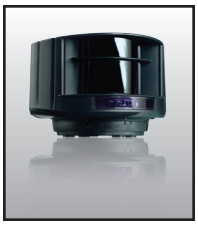
Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion/Presence (EN 12453 Typ. E)
Max. Detection Range	984 in × 984 in (82 ft x 82 ft)
Detection Plane	4 curtains per sensor, curtain spread dependent on mounting height
Remission Factor	> 2%
Emission Characteristics IR LASER Red Visible LASER	 Wavelength 905nm; maximum output pulse power 75W Wavelength 650nm; maximum output CW power 3mW
Supply Voltage	10 – 35 VDC @ Sensor Terminal
Peak Current at Power-On	1.8 A (Max. 80 ms @ 35 V)
Power Consumption	< 5W
Response Time	Min 20ms; Max 80ms
Output Max. Switching Voltage Max. Switching Current	2 electronic relays (galvanic isolated – polarity free) 35V DC / 24V AC 80 mA (resistive)
LED-Signal	1 Blue LED: Status « Power–on » 1 Orange LED: Status « Error » 2 Red/Green LEDs: Status « Detection/Output »
Dimensions (W×L×H)	5 in (D) x 3.66 in (W) x 2.75 in (H) Mounting Bracket (10LBA) adds 0.5 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 to +140°F if powered
Humidity	0–95% non-condensing
Vibrations	< 2G
Pollution on Front Screens	Max. 30% ; Homogenous
Cut Target	< 11.81 in × 7.87 in × 27.56 in @ 276 in (EN 12445 testbody A)
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

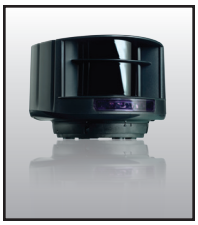


FRONT VIEW TOP VIEW

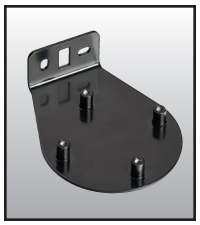
RELATED PRODUCTS



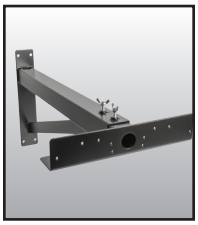
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