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 x 984 inches (82 x 82 feet)
- 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

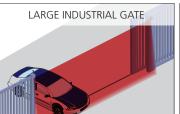
Customer Service: 800.523.2462 Technical Support: 800.407.4545

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APPLICATIONS





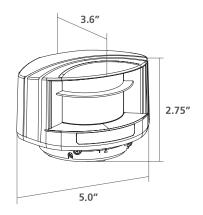








DIMENCION	AL DRAWINGS
DIMENSION	AL DKAWINGS



TECHNICAL SPECIFICATIONS Technology LASER scanner, Time-of-Flight measurement **Detection Mode** Motion / Presence (EN 12453 Typ. E) Default: 33 × 33 ft @ 2% remission factor **Detection Range** (max. 82 ft × 82 ft) 4 curtains per sensor, curtain spread **Detection Plane** 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 Response Time** Typ. 20 ms; max. 80 ms (+ output activation delay) 2 electronic relays (galvanic isolated – polarity free) Max. Switching Voltage 35 VDC / 24 VAC Max. Switching Current 80 mA (resistive) 1 Blue LED: Status « Power–on » 1 Orange LED: Status « Error » **LED-Signal** 2 Bi-colored LEDs: Detection/Output Status (Green: no detection; Red: detection)

RELATED PRODUCT







10L7RS600 17R-S600 **SENSOR**

17R-130 **SENSOR**

LZR MOUNTING **BRACKET ACCESSORY**







20 - 36" **EXTENSION BRACKET**

10MINIBRACKET 6 - 12" **EXTENSION BRACKET**

BEA UNIVERSAL REMOTE CONTROL *REMOTE IS REQUIRED

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Dimensions

Housing 10LBA

Cable Length

Rotation Angles on Bracket

Pollution on Front Screens

Tilt Angle on Bracket **Degree of Protection**

Temperature Range

Norm Conformance

Materia

Humidity

Vibrations

Color

LZR®-S600

5.0 in (W) x 2.75 in (H) x 3.6 in (D)

Adds 0.55 in

360 in (30 ft)

-5 - 5° (Lockable)

NEMA 4 / IP65 -22 - 140 °F if powered

14 - 140 °F if unpowered

0 - 95% non-condensing

Max. 30%, homogenous

PC / ASA

Black

-3 – 3°

< 2 G

3:2006

BEA, Inc. **RIDC Park West** 100 Enterprise Drive

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-

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