



LZR®-S600

LASER SCANNER FOR BUILDING
AUTOMATION AND SECURITY



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.

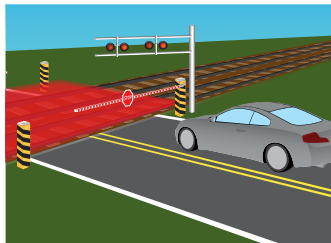
BEA's **LZR®-S600** represents the largest detection field offered in our LASER Time-of-Flight product portfolio. This sensor is ideal for perimeter security protection, industrial automation and large industrial door / gate applications that require a wide field of detection.

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.

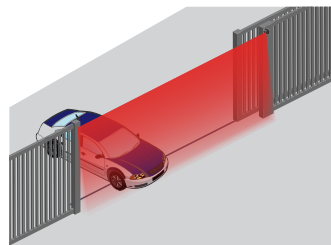
APPLICATIONS



Security



Warning Indication



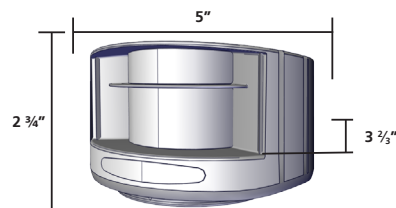
Large Industrial Gate



Mass Transit

TECHNICAL SPECIFICATIONS

Technology	LASER scanner, Time-of-Flight measurement
Detection Mode	Motion / Presence (EN 12453 Typ. E)
Detection Range	Default: 33' x 33' @ 2% remission factor (max. 82' x 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) x 2 3/4" (H) x 3 1/2" (D)
10LBA	Adds 1 1/2"
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



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