



LZR-FLATSCAN A

COMPACT, LASER SCANNER FOR FACTORY & LOGISTICS APPLICATIONS



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TECHNOLOGY



CERTIFICATIONS



DESCRIPTION

BEA's **LZR®-FLATSCAN A** is a compact, LASER-based Time-of-Flight sensor. This high-precision technology ensures accurate object detection.

When installed and adjusted correctly, the sensor is designed for the detection of people or vehicles, in both indoor and outdoor environments. Its detection accuracy makes this sensor ideal for factory automation and logistics applications requiring a small but robust sensing solution.

The **LZR®-FLATSCAN A** is housed in an IP66 rated enclosure and can be utilized in outdoor, industrial, and other harsh environments.

Three visible LED spots provide accurate reference points that aid in adjusting the tilt angle and/or detection field orientation. Parameter adjustments can be made with a BEA **UNIVERSAL REMOTE CONTROL**.



Versatile Sensor Orientation

Left, right, or center sensor mounting allows for convenient sensor installation based on application needs

Compact Design

Low-profile solution (3.5 inch height) reduces risk of wear and tear in vehicle applications



Robust Construction

Metal enclosure and IP66 rating protects sensor in harsh environments

APPLICATIONS



Driverless Fork Truck



Industrial Roll-up Door



Platform Screen Door

TECHNICAL SPECIFICATIONS

TECHNOLOGY / PERFORMANCE

Technology	LASER sensor, time-of-flight measurement
Detection mode	presence
Max. detection range	max. 18' x 18' (13 1/8' @ 5% reflectivity)
Opening angle	90°
Tilt angles	±3° (with bracket)
Emission characteristics	wavelength 905nm; max. output pulse power 25W (CLASS 1) wavelength 635nm; max. output CW power 0.95mW (CLASS 2) visible spot
Angular resolution	0.23° (400 spots within 90°)
LEDs	1 tri-colored LED: detection / output status

ELECTRICAL

Supply voltage*	12 – 24 VDC ±15%
Power consumption	≤ 2.3W, peak current: 1A
Response time	max. 50ms (+ output activation delay)
Output	1 opto (galvanic isolation - polarity free)
max. switching voltage	42 VAC/VDC
max. switching current	100mA
	1 relay (free of potential contact)
max. contact voltage	42 VAC/VDC
max. contact current	1A (resistive)
max. switching power	30W DC / 60 VAC

PHYSICAL

Dimensions	5" (L) x 3 1/2" (H) x 2" (D) (without bracket)
Color	black
Protection degree	IP66 (IEC 60529)
Temperature range (when powered)	-22 – 140 °F (-30 – 60 °C)
Humidity	0 – 95% non-condensing
Vibrations	< 2G

COMPLIANCE

Compliance	IEC 60825-1, IEC 60950-1, IEC 61000-6-2, IEC 61000-6-3, IEC 60529:2001
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* If only VAC power is available, a 12V transformer paired with a rectifier must be used. Do not use a 24V transformer and rectifier as this will cause damage to the product.

PRODUCT SERIES



10LZRFLATSCAN-A
Single-curtain, IP66 rated, LASER scanner

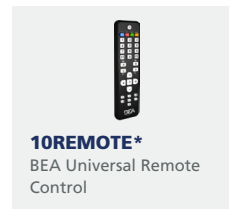
ACCESSORIES



10FSSMB*
LZR-FLATSCAN S/A bracket

* Required for installation (sold separately).

RELATED PRODUCTS



10REMOTE*
BEA Universal Remote Control

* Required for installation and adjustment (sold separately).

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