



LZR®-FLATSCAN REV-LZ

Safety sensor for revolving doors



APPLICATIONS



TECHNOLOGY

Laser

CONFORMITY



DESCRIPTION

The **LZR®-FLATSCAN REV-LZ** is a safety sensor based on laser technology. The sensor covers the entire door leaf and is used on different types of revolving doors.



Discover the product video on our youtube channel **BEA Sensors Europe**
<https://bit.ly/2JT9sT6>



Full coverage of the leaf zone

The **LZR®-FLATSCAN REV-LZ** covers the door wing. It protects people from any contact with the rotating leaf.



Fast & intuitive installation

The size of the sensor area is defined by simple hand movements, which leads to installation time savings.



Independent of flooring and surroundings

Laser Time-of-flight technology guarantees independence of all type of flooring and the direct surroundings of the door.



Compact design

The **LZR®-FLATSCAN REV-LZ** can be used on all revolving doors, regardless of their size. Thanks to its compact design, it can be stocked and stored easily.

APPLICATIONS



Leaf zone safety

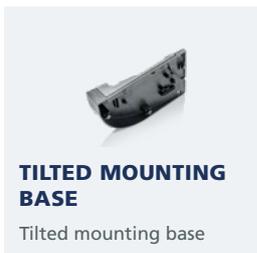


Lowest uncovered zone (testbody CA detected in all positions)

ACCESSORIES



GDA
Glass door accessory



TILTED MOUNTING BASE
Tilted mounting base



RETROFIT INTERFACE
Retrofit accessory



PROTECTIVE COVER
Protective accessory for FLATSCAN

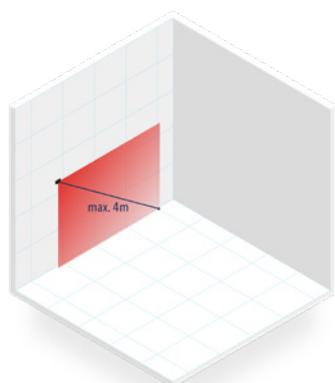
INSTALLATION

- 1 sensor secures the whole door leaf, regardless of its size.
- The mechanical angle can be adjusted from 2° to 10° and even further thanks to accessories.
- Automatic teach-in: direct surroundings of the door and the type of floor.

VERSIONS

- 2 designs available for installation on the left or right.
- Different colours available (aluminium/black).

TECHNICAL SPECIFICATIONS



Technology	LASER scanner, time-of-flight measurement
Detection mode	Presence
Max. detection range	4 m (diagonal) with reflectivity of 2% (i.e.: at W = 1.5m -> max. H = 3.7 m)
Opening angle	90°
Angular resolution	1.3°
Testbody	700 mm × 300 mm × 200 mm (testbody CA according to EN 16005 & DIN 18650-1)
Emission characteristics	IR LASER: wavelength 905 nm; average output power 0.05 mW; CLASS 1(IEC/EN 60825)
Supply voltage	12 - 24 V DC ± 15 %
Power consumption	≤ 2 W
Response time	Max. 50 ms
Output	2 electronic relays (galvanic isolation - polarity free)
Max. switching voltage	42V AC/DC
Max. switching current	100mA
LED-signals	1 bi-coloured LED: detection / output status
Dimensions	142 mm (L) × 85 mm (H) × 33 mm (D) (mounting base + 7 mm)
Tilt angles / Protection degree	+2° to +10° (without mounting base) / IP54 (IEC/EN 60529)
Temperature range / Humidity	from -30 °C to + 60 °C (if powered) / 0-95 % non-condensing
Compliance	EN 16005 Chapter 4.6.8 (test body CA); DIN 18650-1 Chapter 5.7.4 (test body CA); EN 12978; EN ISO 13849-1 PL "d" / CAT2; IEC/EN 60825-1 IEC/EN 61000-6-2; IEC/EN 61000-6-3; IEC/EN 61508 SIL2

Specifications are subject to change without prior notice. All values measured in specific conditions.

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