



# LZR®-FLATSCAN REV PZ

Safety sensor for revolving doors



## APPLICATIONS



## TECHNOLOGY

Laser

## CONFORMITY



## DESCRIPTION

The **LZR®-FLATSCAN REV PZ** is the first laser safety sensor specifically designed for automatic revolving door needs. It uses time-of-flight technology and it generates 400 measurement points to provide a complete protection for users while ensuring the effective functioning of the door.

## VIDEO

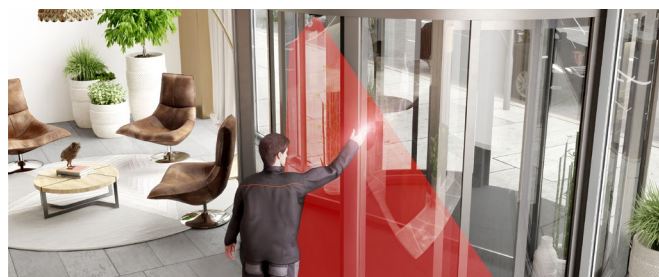


Discover the product video on our youtube channel **BEA Sensors Europe**  
<https://bit.ly/33a8g5i>



### Independent of floor and environment

Laser technology guarantees stable functioning whatever the type of flooring (slatted floors, wire mesh, absorbent carpet, reflective flooring, slippery surface, etc.) and weather conditions.



### Fast, intuitive installation

The size of the detection field is defined by two simple hand movements. The height and the width of the area are automatically calculated.



### Visual aids

Two visible beams can be activated during the installation process to adjust the position of the detection field.



### Two areas

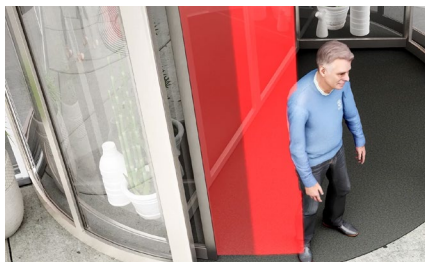
When needed, two areas can be assigned to separate outputs to provide different functions (ex. slow down and stop).

## APPLICATIONS

The **LZR®-FLATSCAN REV PZ** secures the front leading edge of the door. Depending on the door version, it can also be used to secure the leading edge of the door wing.



Pinch zone safety



Safety of the leading edge of the door wing



Ceiling or surface mounting

## INSTALLATIONS

- Two visible spots help adjusting the position of the detection field.
- Angle of the detection field is adjustable: 0-5 degree.
- Additional parameters can be adjusted by remote control.

## VERSIONS



### LZR®-FLATSCAN REV PZ Recessed

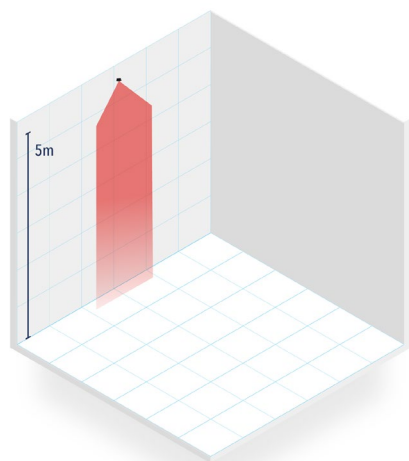
Recessed mount version



### LZR®-FLATSCAN REV PZ Surface

Surface mount version

## TECHNICAL SPECIFICATIONS



<b>Technology</b>	LASER scanner, time-of-flight measurement
<b>Emission characteristics</b>	IR LASER (CLASS 1) Visible Laser (CLASS 2)
<b>Opening Angle</b>	90°
<b>Angular resolution</b>	0.23° ( 400 spots within 90° )
<b>Max. detection range</b>	4m ( height ) with reflectivity of 5% 5m ( height ) with reflectivity of 8%
<b>Supply voltage</b>	12-24V DC ± 15%
<b>Response time</b>	Max. 90 ms
<b>Output</b>	1 optocoupler ( galvanic isolation - polarity free ) Max. switching voltage: 42V AC/ 60V DC Max. switching current: 100 mA 1 Relay ( free of potential change-over contact ) Max. contact voltage: 60V AC / 125V DC Max. contact current: 1.0A ( resistive ) Max. switching power: 30W ( DC ) / 60VA ( AC )
<b>Dimensions</b>	178 mm (L) × 85 mm (H) × 53 mm (D)
<b>Tilt angles</b>	0° to +5°
<b>Protection degree</b>	IP54 ( EN 60529 )
<b>Temperature range</b>	-30°C to +60°C if powered
<b>Humidity</b>	-95% non-condensing
<b>Vibrations</b>	< 2 G
<b>Conformity</b>	EN 12978; EN ISO 13849-1 PI "d"/ CAT2; IEC 60825-1; EN 60950-1; EN 61000-6-2; EN 61000-6-3; EN 62061 SIL 2; DIN 18650-1 Chapter 5.7.4 (testbody CA < 4m height & testbody CB < 3.5m height); EN16005 Chapter 4.6.8 (testbody CA < 4m height)

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