

LZR[®]-FLATSCAN RS305



COMPACT LASER DETECTOR FOR PLATFORM SCREEN DOORS

Commercial sheet

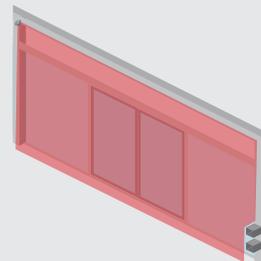
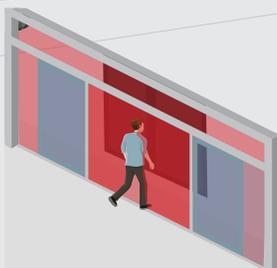
LASER TECHNOLOGY FOR PSD APPLICATIONS

DESCRIPTION

The **LZR[®]-FLATSCAN RS305** is a Time of Flight-based detection solution, designed to monitor and secure the hazardous area between the platform screen doors and the vehicle doors. It provides a very compact and professional solution for PSD application with limited space.

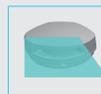


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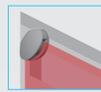


HIGH ACCURATE DETECTION

Full coverage to the PSD area with high resolution curtain providing highest level of protection compared to traditional technologies.



Antimasking



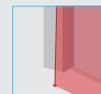
Normal background



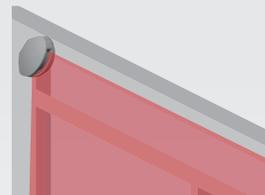
Background changes

TEACH-IN FUNCTION

Self-learning of the environment and background to avoid false detection, irregular object exists inside the detection area should be learnt as background.



Visible spots



Mounting side Center



Mounting side Right

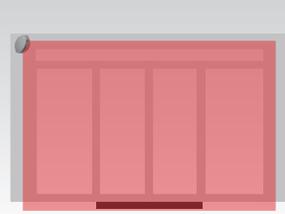
SELF-MONITORING FUNCTION

The **LZR[®]-FLATSCAN RS305** provides full monitoring with antimasking and internal monitoring ensuring the protection at all times.

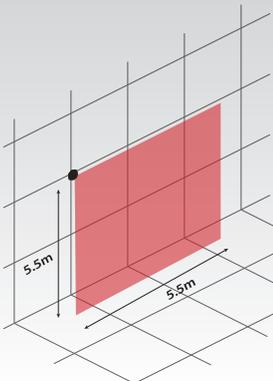
EASY INSTALLATION

The compact and slim design with 3 mounting sides (Left / Right / Center) makes it very suitable to install on any platform screen doors. Visible spots and remote control make it easy to align the curtain and adjust parameters.





Platform screen doors application

Max. detection range 5.5m x 5.5m
(4m@5% reflectivity)

INSTALLATION

- One-single unit eases the installation.
- Self-learning of environment and background with teach-in function.
- Visible spots help to position the curtain.
- Easy to adjust the parameters with remote control.
- Tilt angle is adjustable with bracket.

TECHNICAL SPECIFICATIONS

Technology	LASER scanner, time-of-flight measurement
Detection mode	Presence
Max. detection range	Max. 5.5m*5.5 m (4m@5% reflectivity)
Opening Angle	90°
Angular resolution	0.23° (400 spots within 90°)
Testbody	700 mm × 300 mm × 200 mm (for your reference)
Emission characteristics IR LASER	Wavelength 905 nm; max. output pulse power 25 W (Class 1). Wavelength 650 nm; max. output CW power 3 mW (CLASS 3R) visible spots.
Supply voltage	12-24V DC ± 15%
Power consumption	≤ 2.3 W, peak current: 1A
Response time	Max. 50 ms + output activation delay
Output	1 optocoupler (galvanic isolation - polarity free) Max. switching voltage: 42V AC/DC Max. switching current: 100 mA 1 Relay (free of potential contact) Max. contact voltage: 42V AC/DC Max. contact current: 1A (resistive) Max. switching power: 30W DC/ 60VA AC
LED-signals	1 tri-colored LED: detection / output status
Dimensions	124 mm (L) × 90 mm (H) × 50 mm (D) (without bracket)
Colour	Black
Tilt angles	±3° (with bracket)
Protection degree	IP66 (EN 60529)
Temperature range	-30°C to +60°C if powered
Humidity	0-95% non-condensing
Vibrations	< 2 G
Norm conformity	IEC 60825-1; EN 60950-1; EN 61000-6-2; EN 61000-6-3; EN 60529:2001; EN 50121-3-2:2006

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

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