



LZR®-FLATSCAN GO

Safety sensor for leaf protection of swing doors



APPLICATIONS



TECHNOLOGY

Laser

CONFORMITY



DESCRIPTION

The **LZR®-FLATSCAN GO** is designed to secure the moving leaves of swing doors. The stability and precision of the LASER technology allows it to be installed in challenging environments, where floor variations could cause unwanted detections with infrared sensors. The **LZR®-FLATSCAN GO** is quick to install and easy to set with a single hand movement. Its curtain angle adjustment makes the installation really easy, especially in case of full door handle : the laser curtain will adjust to the door handle without impacting door leaf safety.



Compact design

The **LZR®-FLATSCAN GO** can be used on swing doors, up to 2.5 m high. Thanks to its compact design (8.5 cm x 14.2 cm) it can be stocked and stored easily.



Independent of flooring and surroundings

Nothing worse than coming back to an installation because snow has accumulated or the weather conditions changed. Thanks to the LASER technology and its great stability of detection over time, the **LZR®-FLATSCAN GO** easily adapts to changing weather conditions and different types of floors (slatted floors, absorbent...).



Laser safety field

The leaf is covered by the laser safety field. Thanks to its reduced grey zone of only 10 cm, it offers a covering from top to bottom. Note that extra safety measures are mandatory to protect the hinge area to comply with EN16005.



Fast & intuitive installation

The width of the detection field of the sensor is defined by a simple hand movement, which leads to installation time savings. Fast and easy handling to get the safety on your door.

DESIGNED TO SUIT YOUR NEEDS



Maximum installation height of 2.5m



Designed for doors where no extra hinge protection is needed (i.e. round profiles)



The LZR®-FLATSCAN GO is compatible with surroundings free of objects.

NEED MORE ?



LZR®-FLATSCAN SW

- Installation height up to 4 meters
- Hinge area safety coverage
- Dynamic environment learning



LZR®-FLATSCAN 3D SW

- Improved safety with volumetric coverage
- Extra leading edge safety
- Opening functions

VERSIONS & ACCESSORIES



LZR-FLATSCAN GO KIT

Art. Number :
02.0953



GLASS DOOR ACCESSORY

Art. Number :
02.0768



RETROFIT INTERFACE

Art. Number :
02.0768



PROTECTIVE COVER

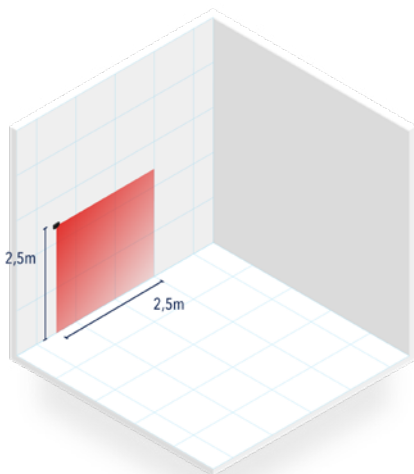
Art. Number :
02.0768



MAIN-SECONDARY ADAPTER

Art. Number :
02.0768

TECHNICAL SPECIFICATIONS



Technology	LASER scanner, time-of-flight measurement
Max. detection range	max. 2,50 m (height) and 2,50 m (width) with reflectivity of 2%
Field of view	90°
Angular resolution	1.3°
Typ. min. object size	≤ 10 cm
Door wing protection	≤ 10 cm
Testbody	700 mm × 300 mm × 200 mm (testbody CA according to EN 16005)
Optical characteristics (IEC/EN 60825-1:2014)	IR LASER: wavelength 905 nm; output power < 0.1 mW; Class 1
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	30V AC / 42V DC
Max. switching current	100 mA
LED-signals	1 bi-coloured LED: detection/output status
Dimensions	146 mm (L) × 85 mm (H) × 32 mm (D) (mounting base + 7 mm)
Tilt angles / Protection degree	+2° to +10° (without mounting bracket) / IP54 (IEC/EN 60529)
Temperature range / Humidity	-30°C to +60°C if powered / 0-95 % non-condensing
Vibrations	< 2 G
Safety standards	EN 12978; EN ISO 13849-1 PI "d"/ CAT2; EN 16005 (testbody CA); EN 61508 SIL2

* External electrical sources must be within specified voltages, max 15W and ensure double insulation from primary voltages.

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