



Metal mass detectors - Barrier sensors/ Security laser barrier detector

LZR-H100

NEW



LZR-H100 detector offers a real alternative to magnetic loops: less time required for installation, detection of all types of vehicles and greater adaptability. The laser sensor for automatic barriers is used to open, protect and/or detect a presence. It offers great flexibility in defining the width and depth of the detection zones.

**LASER
Technology**



**ENERGY
SAVING**



Comfortable opening

Detection of all types of vehicles: cars, electric vehicles, vehicles made of composite materials, trucks with trailers, etc.
Detection of vehicle trajectory: approaching or moving away.



User safety

LZR-H100 protects vehicles and people within the safety field from contact with the barrier (installation with reference point).



Pedestrian & parallel traffic filter

The barrier only opens when a vehicle is approaching.
Pedestrians and parallel traffic in the opening field are screened.



Easy installation

Product installation without any impact on the surrounding environment, with simple delimitation of the detection fields independently from one another, by walking in front of the sensor.



**Certified
PL «d» / CAT2
EN-ISO13849-1
EN12453**



visit our website
for more information
and complete technical specifications
<https://bit.ly/2Hucv6i>

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Technology: laser scanner, time-of-flight (ToF) measurement

Maximum detection distance: 9.9 m × 9.9 m

Emission specifications:

IR laser (CLASS 1) = wavelength 905 nm; max. pulse output power 0.10 mW

Visible laser (CLASS 2) = wavelength 635 nm; max. CW output power 0.95 mW

Power supply: 10-35 V DC on the detector side

Input: 1 optocoupler (galvanic isolation - non-polarised)

Output: 2 electronic relays (galvanic isolation - polarity-free)

Maximum switching voltage: 35V DC / 24V AC

Maximum switchable current: 80 mA (resistive)

Power consumption: < 5 W

Response times:

Motion detection: typically 200 ms (adjustable);

Presence detection: typically max. 20 ms; max. 80 ms

Vibrations: < 2 G

Material/Colour: PC/ASA/black

Dimensions: 125 mm (W) × 93 mm (D) × 70 mm (H) (mounting bracket + 14 mm)

Protection degree: IP65

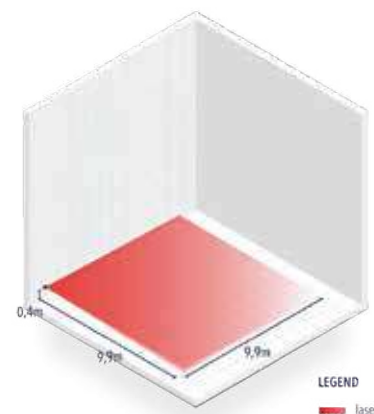
Operating temperature: -30°C, +60°C under voltage / -10°C, +60°C without voltage

Compliance: EMC 2014/30/EU; LVD 2014/35/EU; RoHS 2 2011/65/EU; MD 2006/42/EC

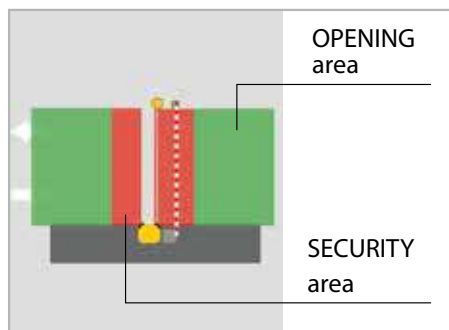
EN 61000-6-2; EN 61000-6-3; EN 60950-1; EN 60825-1; EN 50581;

EN ISO 13849-1 (PL "d" CAT 2); EN 62061 (SIL 2); EN 61496-1 (Type 2); EN 12978; EN

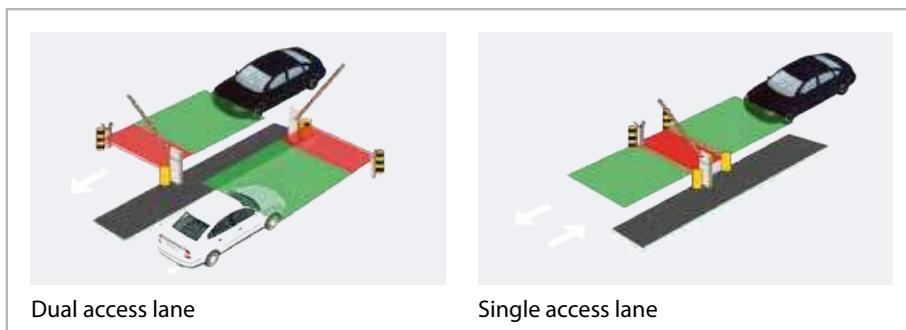
12453 (Device E)



**Security device also for
AUTOMATIC BOLLARDS areas**



APPLICATIONS: AUTOMATIC BARRIERS



Accessories > see page A53

