LZR®- H110

LASER SCANNER FOR RISING BARRIERS

Commercial sheet

AN INNOVATIVE ALTERNATIVE TO INDUCTION LOOPS

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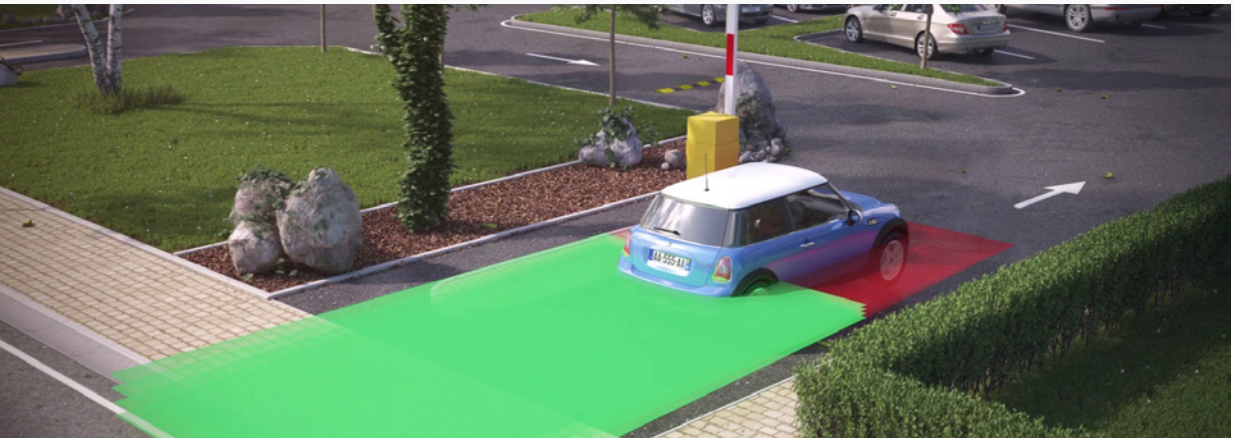
DESCRIPTION

The **LZR®-H110** offers a real alternative to induction loops: time gain during installation, detection of all types of vehicles and greater adaptability. This laser sensor for rising barriers is used to open, secure* and/or detect a presence. It offers great flexibility in defining the width and depth of the detection zones.

PERFORMANCE

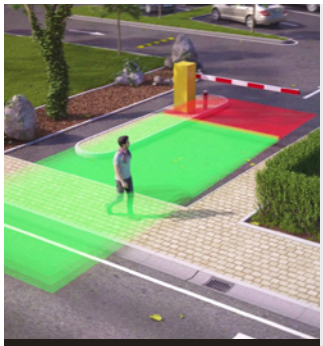
- Double function: opening, maintenance of presence and/or safety*
- Installation of the product without any impact on the surrounding ground
- Detects all types of vehicles: electrical vehicles, vehicles made of composite materials, trucks with trailers...
- It is possible to detect the vehicle's trajectory as it is approaching or moving away
- Screens pedestrians in the opening area
- Maximum detection field of 6.5 m × 5 m
- Independent of the ground surface and the environment
- It is possible to switch off the LED indicators in order to make the equipment more discreet
- Unrestricted and easy definition of the detection fields independently of one another (walking teach-in)



*Monitored sensor with point of reference

SENSORIO sensors and more

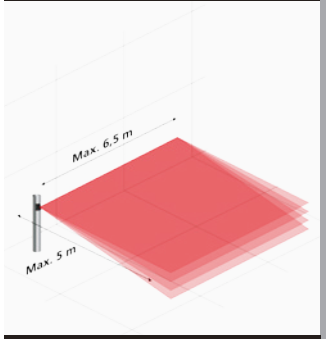
APPLICATIONS



Screens pedestrians in the opening area

MEASURMENT RANGE

Unrestricted configuration of the detection field



6.5 m × 5 m @ 2% remission factor

APPLICATIONS

- Opening, presence and/or safety detection for rising barriers

EASE OF INSTALLATION

- Alternative to induction loops: installation and adjustment without the need for impact on the roadway
- Unrestricted, easy configuration of the opening and presence detection areas
- Positioning of the detection fields facilitated by means of 3 visible infrared points
- Option of mounting the device to the left or right of the barrier
- Automatic learning of the environment

TECHNICAL SPECIFICATIONS

Technology	laser scanner, time-of-flight measurement
Detection mode	motion and presence
Max. detection range	5.0 m × 6.5 m
Emission characteristics IR laser (CLASS 1) LASER rouge visible (CLASS 3R)	 wavelength 905 nm ; max. output pulse power 75 W wavelength 650 nm; max. output CW power 3 mW
Supply voltage	10-35V DC @ sensor side
Power consumption	< 5 W
Cable length	5 m (standard), max.: 10 m
Response time Motion detection Presence detection	 typ. 200 ms (adjustable) typ. 20 ms; max. 80 ms
Output	2 electronic relays (galvanic isolated - polarity free)
Input	1 optocoupler (galvanic isolated - polarity free)
LED-signal	1 blue LED: power-on status 1 orange LED: error status 2 bi-coloured LED's: detection/output status (green: no detection; red: detection)
Dimensions	125 mm (D) × 93 mm (W) × 70 mm (H) (with mounting bracket + 14 mm)
Material	PC/ASA
Colour	Black
Protection degree	IP65
Temperature range	-30°C to +60°C if powered; -10°C to +60°C unpowered
Humidity	0-95 % non-condensing
Vibrations	< 2 G
Pollution on front screens	max. 30%; homogenous
Norm conformity	2006/95/EC: LVD; 2002/95/EC: RoHS; 2004/108/EC: EMC; EN 60529:2001; IEC 60825-1:2007 Laser Class 1 & 3R; EN 60950-1:2005; EN 61000-6-2:2005 EMC; EN 61000-6-3:2006 EMC

Specifications are subject to change without prior notice

44.0401 V2 / 03.16

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