

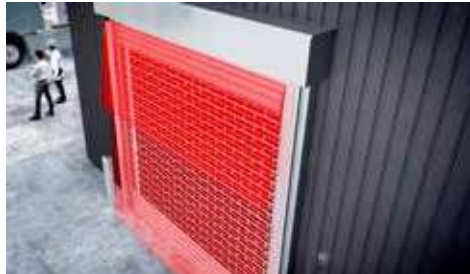
# LZR-i100 / LZR-i110

**LZR-i100** and **LZR-i110** detectors are based on highly accurate time-of-flight technology, ensuring optimal safety at the threshold and in the proximity of the door, with four laser curtains that define corresponding detection areas.

**LASER  
Technology**



ENERGY  
SAVING



## Two separate detection areas

Door safety during opening and closing through two distinct detection zones.



## Optimised for industrial environments

IP65, 10 m cable, filters against swing door deformation caused by wind, protection against door vibrations and environmental interference.

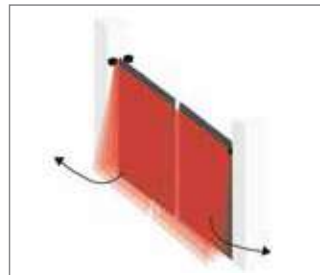


## Virtual push buttons

Option to set up 2 virtual buttons to open the door



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



Security device for automatic swing and sliding gates



## PERFORMANCE

- Adjustable detection area depth (up to 1 m) depending on installation height
- Certified safety solution for industrial doors: **PL «d» / CAT 2 according to EN ISO 13849-1 and type E according to EN 12453**
- High level of safety with complete three-dimensional detection in front of the door
- Small object detection \*

## APPLICATIONS

- Safety during door opening and closing with 2 separate detection zones
  - Possibility to create 2 virtual buttons for door opening
- DESIGNED FOR INDUSTRIAL CONTEXTS**
- Filters door vibrations and environmental interference
  - Filters door frame deformations caused by wind
  - Protection rating IP65

**LZR-i110** - Maximum detection distance: 5 m × 5 m

**LZR-i100** - Maximum detection distance: 9.9 m × 9.9 m

**Power supply:** 10-35V DC on connector

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

**Maximum switching voltage:** 35 VDC / 24 VAC

**Maximum switchable current:** 80 mA (resistive)

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

**Protection rating:** IP65

**Operating temperature:** -30°C to +60°C under power

**Compliance:** EMC 2014/30/EU; LVD 2014/35/EU; MD 2006/42/EC; ROHS 2 2011/65/EU; **EN 12453 chapter 5.1.1.6, chapter 5.5.1 Safety device E; EN 12978; EN ISO 13849-1 PL «d» / CAT2; EN 60529; IEC 60825-1; EN 60950-1; EN 61000-6-2; EN 61000-6-3; IEC 61496-1; EN 61496-3 ESPE Type2; EN 62061: 2005 SIL 2; DIN 18650-1 Chapter 5.7.4**

**APE - 790 / I110**



**LASERSCAN  
LZR-i110**

**APE - 790 / I100**



**LASERSCAN  
LZR-i100**

**Accessories > see page A53**



**CTRL REMOTE  
CONTROL**



**LZR-BA MOUNTING  
BRACKET**

\* up to a few centimeters depending on the application