

LASER safety sensor for revolving doors



Detection

- The **LZR[®]-P200** Scanner LASER works according to the principle of **time of flight**.
- It sends a light impulse and measures the time until the return signal is back.
- Due to this detection principle, it has a **high immunity** against most interferences.

Operation

- The **LZR[®]-P200** scans the mobile door wings with a precision and safety level never experienced before, thus offering a **maximal protection** to the users.
- It generates **4 detection areas** in order to protect surfaces **up to 4 x 4 m**. These can slow down the door before stopping it.

Design

- The **compact** and **discreet LZR[®]-P200** can be fixed easily close to the door axis.
- It is **THE safety solution** for **full glass doors**.

Flexibility

- **1 LZR[®]-P200** is enough to cover the whole mobile door wing, whatever its dimensions.
- Contact edges on the moving door wings as well as safety sensors at the fixed post are obsolete.

Main advantages

- On its own, the **LZR[®]-P200** makes the whole moving wing safe.
- It **detects every object from Ø 5 cm**.
- **Its works properly**, whatever the environment.
- It requires **less than 15 minutes** for installation: a speed record!

Installation

- **Easy wiring** thanks to the mounting on the door axis.
- **Easy adjustment** of the **detection field** thanks to visible red laser beams.
- **Teach-in** of the door environment with one **only door rotation**.

Applications



Revolving door with 2, 3 or 4 wings



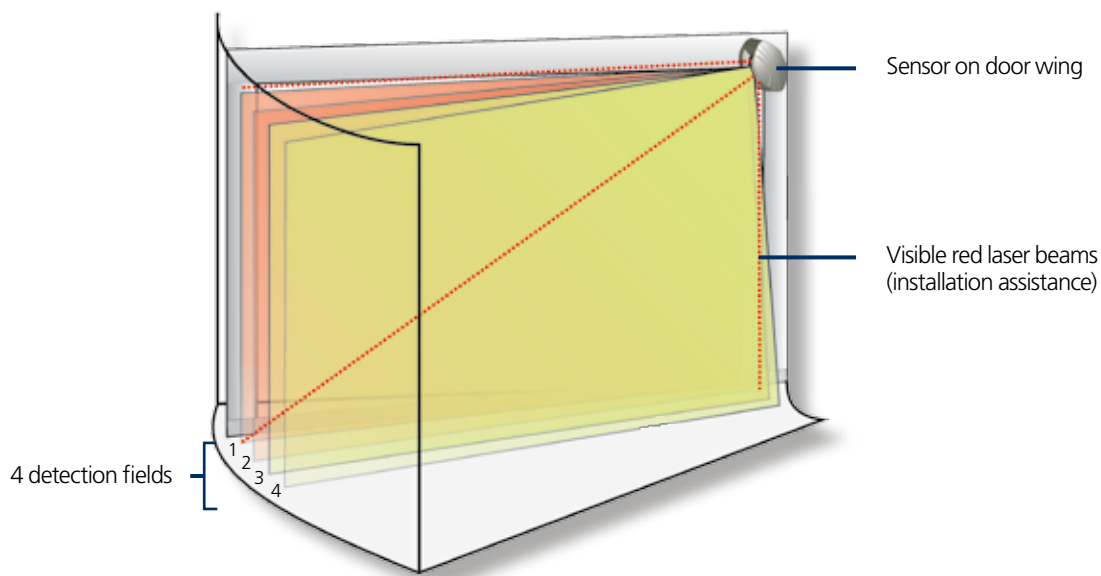
Revolving door with moving ceiling and flush mounted sensor

Technical summary

Technology:	Laser scanner, time-of-flight measurement
Detection mode:	Presence
Max. distance range:	5 m (DIN 18650)
Supply voltage:	10 - 35 V DC, < 5 W
Response time:	Typ. 20 ms; max. 80 ms
Dimensions:	125 mm (P) x 93 mm (L) x 70 mm (H) (mounting bracket + 14mm)
Colour:	Black
Protection degree:	IP65
Temperature range:	-30° C à +60° C
Norm conformity:	2006/95/EG: Low Voltage Directive; 2004/108/EG: EMC Directive; 2002/95/EG: RoHS Directive; EN 60825-1; EN 60950-1; EN 61000; EN 60529; EN ISO 13849-1 performance level «c», CAT2; EN 12978; EN 62061 SIL 2

Specifications are subject to change without prior notice.

Description



Did you know...?

The **LZR®-P200** is sending 274 impulses per curtain; this scanning is repeated 60 times per second. Therefore, it takes **more than 16 000 measures per second!**