

VIO-S

SAFETY SENSOR FOR AUTOMATIC SLIDING DOORS

Commercial sheet



3-DIMENSIONAL SAFETY

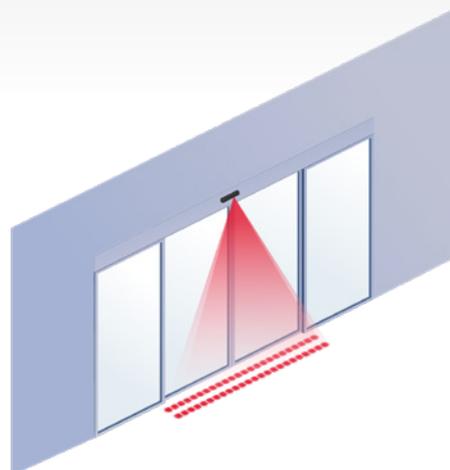
DESCRIPTION

The **VIO-S** is a presence sensor made up of a double failsafe active infrared curtain. The three-dimensional area of the infrared curtain, without safety beams, protects people from any contact with the doors.

COMPLIANT WITH
EN 16005

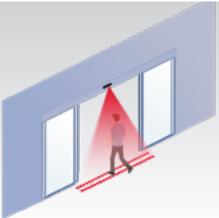
FEATURES

- Simple adjustments using DIP-Switches.
- High protection of individuals, thanks to the two 24-infrared spot failsafe curtains. (EN 16005)
- Optimum performance thanks to high levels of active, self-adapting infrared immunity.
- Adjustment of the infrared curtain width with the prisms. (curtains of 12 or 24 spots depending on the prism used)
- Mounting height of up to 3 metres.

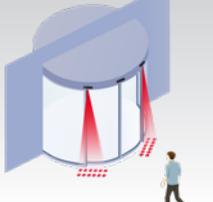


VIO-S ■

APPLICATIONS

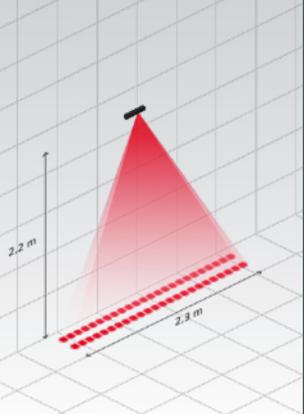


Double-leaf sliding door



Curved door

DETECTION RANGE



Infrared curtain
2.35 m x 3.5 cm @ 2.2 m

VIO RANGE



VIO-D
Combined opening and safety sensor for sliding doors.



VIO-M
Motion radar sensor for opening automatic doors.

APPLICATIONS

- Safety of linear, telescopic and curved automatic sliding doors.

EASE OF INSTALLATION

- Settings using DIP-switches: critical environment, standard environment.
- Easy positioning and localising of the curtains thanks to mechanical adjustments and the spotfinder.
- Detection stability in sensitive areas.

ACCESSORIES



Spotfinder

Rain accessory

Mounting bracket

Prisms

TECHNICAL SPECIFICATIONS

| | |
|-----------------------------|--|
| Technology | Active infrared with background analysis Spot diameter: 0.1 m (typ) Number of spots: 24 Number of curtains: 2 |
| Detection mode | Presence Typical response time: <256 ms |
| Angle | From -4° to +4° (adjustable) |
| Output* | Solid-state-relay (free of potential, free of polarity) Max. contact current: 100 mA Max. contact voltage: 42 V DC/AC peak |
| Supply voltage | 12 V to 30 V DC - 5% / +10% |
| Mounting height | From 1.8 m to 3 m |
| Degree of protection | IP54 (IEC/EN 60529) |
| Temperature range | -25 °C to +55 °C |
| Safety Standards | EN ISO 13849-1 Performance level «c» CAT2 (under the condition that the door control system monitors the sensor at least once per door cycle); EN 61508 (SIL2); EN 12978; EN 16005 |

Specifications are subject to changes without prior notice.

All values measured in specific conditions

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

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