

VIO-D

OPENING AND SAFETY SENSOR FOR AUTOMATIC SLIDING DOORS

Commercial sheet



▶ SIMPLICITY THROUGH EXPERIENCE

DESCRIPTION

The **VIO-D** combines a motion radar sensor for opening the door with a double failsafe active infrared curtain for the protection of users, in accordance with the EN 16005 standard. Opening and closing the door is controlled by a unidirectional radar and safety is ensured by the two 24-infrared spot failsafe curtains.

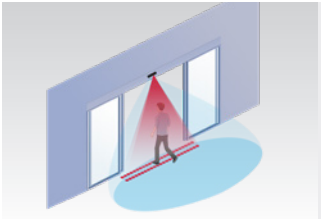
COMPLIANT WITH
EN 16005

FEATURES

- Simple adjustments using DIP-Switches and potentiometer.
- The unidirectionality of the **VIO-DT1** enables energy savings to be made within the building. The door closes sooner and reduces thermal losses.
- Substantial protection of individuals thanks to the two 24-infrared spot failsafe curtains (EN 16005).
- High levels of active infrared immunity.

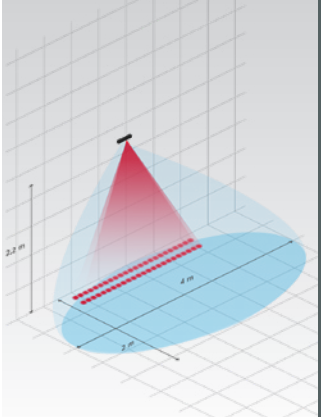


VIO-D ■




APPLICATIONS

Double-leaf sliding doors




DETECTION RANGE

Radar detection zone 4 m x 2 m and infrared zone 2.2 m x 25 cm @ 2.2 m



VIO RANGE

VIO-S
 Presence sensor with infrared technology for the safety of sliding doors



VIO-M
 Motion sensor with radar technology for the opening automatic doors

APPLICATIONS

- Opening and safety of automatic sliding doors.

EASE OF INSTALLATION

- Adjustment of the field size using a potentiometer.
- Settings using 4 DIP-Switches.
- Positioning adjustment of the infrared curtains with adjustment screws.

VERSIONS

- **VIO-DT1** : unidirectional monitored dual sensor, Performance Level «C».
- **VIO-DT2** : bidirectional monitored dual sensor, Performance Level «C».

ACCESSORIES



Spotfinder



Rain Accessory



Mounting accessory

TECHNICAL SPECIFICATIONS

Technology	Microwave doppler radar Transmitter frequency: 24.150 GHz Transmitter radiated power: < 20 dBm EIRP Transmitter power density: < 5 mW/cm ²	Active infrared with background analysis Spot diameter: 0.1 m (typ) Number of spots: 24 Number of curtains: 2
Detection mode	Motion Min. detection speed: 5 cm/s	Presence Typical response time: <256 ms
Angle	From 15° to 50° vertical (adjustable)	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	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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