

# 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.



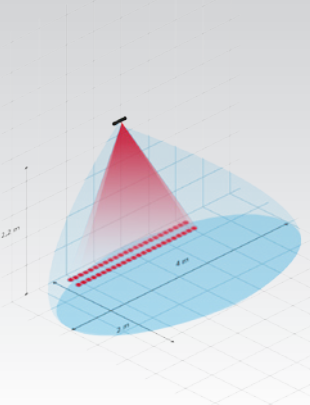
VIO-D ■

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

<b>Technology</b>	Microwave doppler radar	Active infrared with background analysis
<b>Detection mode</b>	Motion	Presence
<b>Angle</b>	From 15° to 50° vertical (adjustable)	From -4° to +4° (adjustable)
<b>Output</b>	Solid-state-relay (potential and polarity free) Max. output current : 100 mA	Solid-state-relay (potential and polarity free) Max. output current : 100 mA
<b>Supply voltage</b>	12 V to 30 V DC - 5% / +10% (to be operated with SELV compatible power supplies only)	
<b>Mounting height</b>	From 1.8 m to 3 m	
<b>Degree of protection</b>	IP54	
<b>Temperature range</b>	-25 °C to +55 °C; 0 - 95% relative humidity, non condensing	
<b>Applicable directives /Norms</b>	R&TTE 1999/5/EC; MD 2006/42/EC; LVD 2006/95/EC; ROHS 2 2011/65/EU; EN 16005:2012; EN 12978:2009; EN IEC 62061:2005 SIL2; EN 61496-1:2012 ESPE Type 2; EN ISO 13849-1:2008 PL «C» CAT.2 (under the condition that the door control system monitors the sensor at least once per door cycle)	

*Specifications are subject to changes without prior notice.  
All values measured in specific conditions*

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