VIO-D

OPENING AND SAFETY SENSOR FOR AUTOMATIC SLIDING DOORS

Commercial sheet

EN

SIMPLICITY THROUGH EXPERIENCE

DESCRIPTION

COMPLIANT WITH **EN 16005**

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.

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.

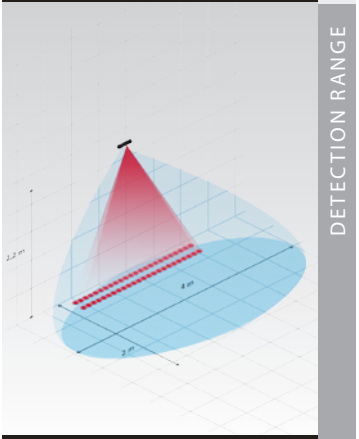
VIO-D

OPEN UP NEW HORIZONS

APPLICATIONS

Double-leaf sliding doors

DETECTION RANGE



Radar detection zone 4 m × 2 m and infrared zone 2.2 m × 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	Active infrared with background analysis
Detection mode	Motion	Presence
Angle	From 15 ° to 50° vertical (adjustable)	From -4° to +4° (adjustable)
Output	Solid-state-relay (potential and polarity free) Max. output current : 100 mA	Solid-state-relay (potential and polarity free) Max. output current : 100 mA
Supply voltage	12 V to 30 V DC - 5% / +10% (to be operated with SELV compatible power supplies only)	
Mounting height	From 1.8 m to 3 m	
Degree of protection	IP54	
Temperature range	-25 °C to +55 °C; 0 - 95% relative humidity, non condensing	
Applicable directives /Norms	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)	

Specifi cations are subject to changes without prior notice.
All values measured in specific conditions

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