

# VIO-M

## OPENING SENSOR FOR ALL TYPES OF AUTOMATIC DOORS

Commercial sheet



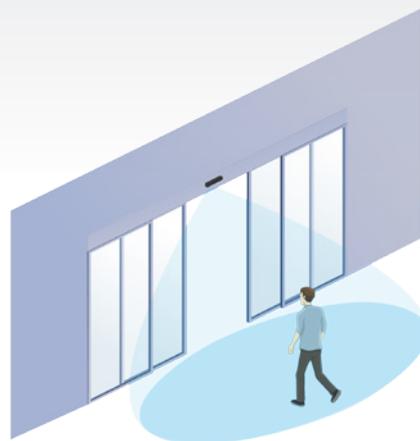
### THE ACTIVATION SOLUTION OF THE VIO RANGE

#### DESCRIPTION

The **VIO-M** uses radar technology to detect movement and activate all types of doors in whatever environment they may be. Thanks to its unidirectional sensing method, **VIO-M1** offers a stability and reliability second to none. The unidirectional radar enables energy savings to be made.

#### FEATURES

- Due to the unidirectionality, the duration of the door opening cycle is shorter, which reduces heat loss in the building and saves energy. This also optimises the "airlock" function.
- Easy configuration with to DIP switches and potentiometer.
- Compact design in harmony with the VIO range.



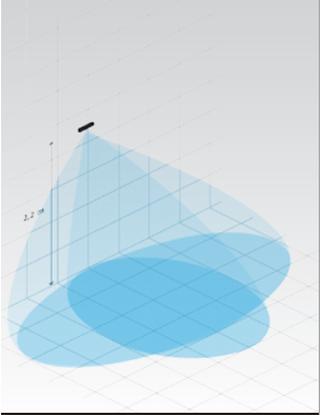
VIO-M ■

**APPLICATIONS**



Single-leaf swing doors

**DETECTION RANGE**



Detection area wide 4 m x 2 m @ 2.2 m  
or narrow 2 m x 2.5 m @ 2.2 m

**VIO RANGE**



**VIO-D**  
Sensor with combined radar and infrared for opening and safety of sliding doors.



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

## APPLICATIONS

- Activation of linear, telescopic, curved, swinging, turning and folding automatic sliding doors.

## EASE OF INSTALLATION

- Configuration of basic functions with DIP-switch.
- Lateral orientation from  $-15^{\circ}$  to  $+15^{\circ}$  for the radar antenna.
- Plug, push & go.

## VERSIONS

- **VIO-M1** : unidirectional opening sensor

## ACCESSORY



Mounting accessory

Mounting in ceiling

## TECHNICAL SPECIFICATIONS

<b>Detection mode</b>	Motion
<b>Technology</b>	Microwave doppler radar
<b>Transmitter frequency</b>	24.150 GHz
<b>Transmitter radiated power</b>	< 20 dBm EIRP
<b>Transmitter power density</b>	< 5 mW/cm <sup>2</sup>
<b>Min. detection speed</b>	5 cm/s (measured in sensor axis)
<b>Supply voltage</b>	12 V to 24 V AC $\pm 10\%$ ; 12 V to 24 V DC $+30\%$ / $-10\%$
<b>Mains frequency</b>	50 to 60 Hz
<b>Max power consumption</b>	< 2 W
<b>Output</b>	Relay (free of potential change-over contact)
Max. contact voltage	42 V AC/DC
Max. contact current	1 A (resistive)
Max. switching power	30 W (DC)/60 VA (AC)
<b>Mounting height</b>	from 1.8 m to 3 m
<b>Temperature range</b>	$-20^{\circ}\text{C}$ to $+55^{\circ}\text{C}$
<b>Degree of protection</b>	IP54
<b>Dimensions</b>	180 mm (L) x 58 mm (H) x 50 mm (W)
<b>Tilt angles</b>	$15^{\circ}$ to $45^{\circ}$ vertical; $-15^{\circ}$ to $+15^{\circ}$ en lateral
<b>Material</b>	ABS
<b>Weight</b>	120 g
<b>Cable lenght</b>	2.5 m
<b>Applicable directives</b>	R&TTE 1999/5/CE

*Specifications are subject to change without prior notice.*

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