

RO710900

## Motion & presence sensor for industrial doors

### Dual technology for increased convenience and protection



#### Performance

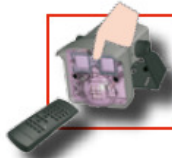
- **reliable** and **efficient** motion detection
- offers more **convenience** and **protection** to vehicles & pedestrians
- increases the **protection** of the **door** by reducing collision risk
- possibility to perform like induction loop systems

#### Designed for industrial environments

- unaffected by door vibrations and environmental disturbances
- degree of protection : IP65
- can be installed up to 6 meters (depending on size and nature of target)

#### Optimization of installation

- can replace an induction loop
- plug and play
- great flexibility thanks to push buttons and remote control



#### Motion detection

- radar technology
  - opens the door when a vehicle or pedestrian moves in the detection field
  - the most suitable technology for opening in industrial environment
  - covers a zone of 4m x 5m\*
  - adjustable radar field size
  - high immunity to rain and snow
- > *undirectional (the door opens when the vehicle or pedestrian moves towards it)*
- possibility to detect vehicles only
- possibility to reject parallel traffic of vehicles

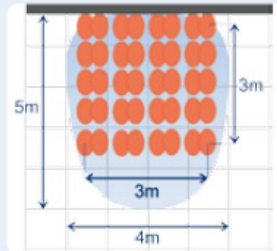
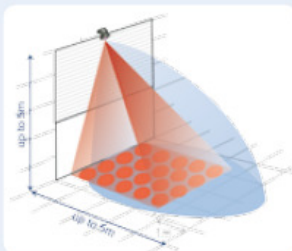


#### Presence detection

- infrared technology
  - keeps the door open when a vehicle or pedestrian is in the detection field
  - covers a zone of 3m x 3m\* with 40 spots
  - adjustable infrared field (9 different possibilities)
  - adjustable max. presence detection time

\* at 5m mounting height

## Applications



## Technical specifications

### Electrical specifications

Supply voltage:	12 - 24V AC +/- 10% - 50/60 Hz 12 - 24V DC +30% / - 5%
Power consumption:	< 3.5WVA
Output:	2 relays with switch-over contact (voltage free) (max. 42V; max. 1A resistive)
Cable length:	10m

### Mechanical specifications

Installation height:	2.5m - 6m*
Dimensions:	127mm (D) x 102mm (W) x 96mm (H)
Housing material:	ABS
Front face material:	polycarbonate
Housing colour:	black
Front face colour:	smoked violet

### Environmental conditions

Temperature range:	-30°C to +60°C
Protection degree:	IP65
Humidity:	0-95% non-condensing

### Technology

Detection type:	motion
Technology:	microwave
Radiated frequency/wavelength:	24.150 GHz
Radiated power density:	< 5mW/cm <sup>2</sup>
Detection field:	4m x 5m**
Output hold time:	0.5s - 9s (adjustable)
Reaction time:	100ms
Min. target speed:	5cm/s (in sensor axis)
Tilt angle:	-8° to 22° (relative to sensor front face)
LED-signal:	green



motion & presence
infrared
875nm
< 250mW/m <sup>2</sup>
3m x 3m** (5 lines x 8 spots)
0.5s
250ms
5cm/s to activate a detection
15°- 45°
red

\* depending on size and nature of target  
\*\* at 5m mounting height  
Subject to changes without prior notice

## Description

