

Motion & presence sensor for industrial doors

Dual technology for increased convenience and protection



Performance

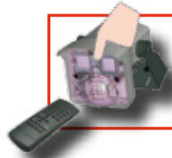
- **reliable** and **efficient** motion detection
- offers more **convenience** and **protection** to vehicles & pedestrians
- increases the **protection** of the **door** by reducing collision risk
- possibility to perform like induction loop systems

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
- unidirectionality (the door only opens when the vehicle or pedestrian moves towards it)
- possibility to detect vehicles only
- possibility to reject parallel traffic of vehicles

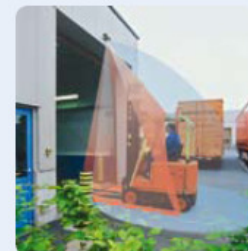
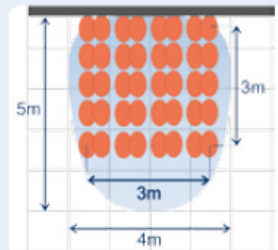
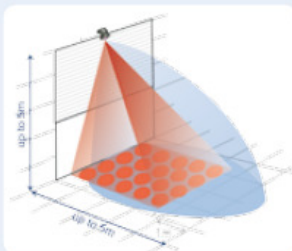


Presence detection

- 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

Applications

* at 5m mounting height



Technical specifications

Electrical specifications

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

Standards/Certification

Norm conformity:	EMC: 2004/108/EEC R&TTE: 1999/5/EC
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Technology

Detection type:	motion
Technology:	microwave
Radiated frequency/wavelength:	24.150 GHz
Radiated power density:	< 5mW/cm ²
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

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



motion & presence
Infrared
875nm
< 250mW/m ²
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

