

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

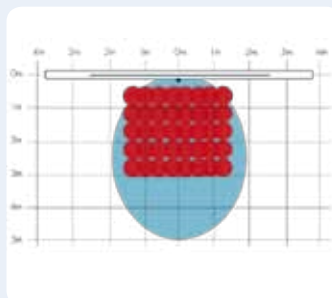
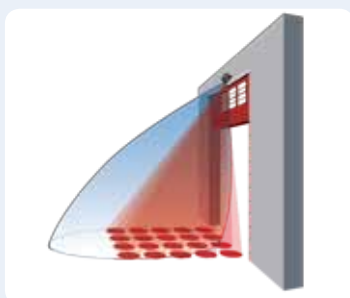
Presence detection



- 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

* 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

Standards/Certification

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

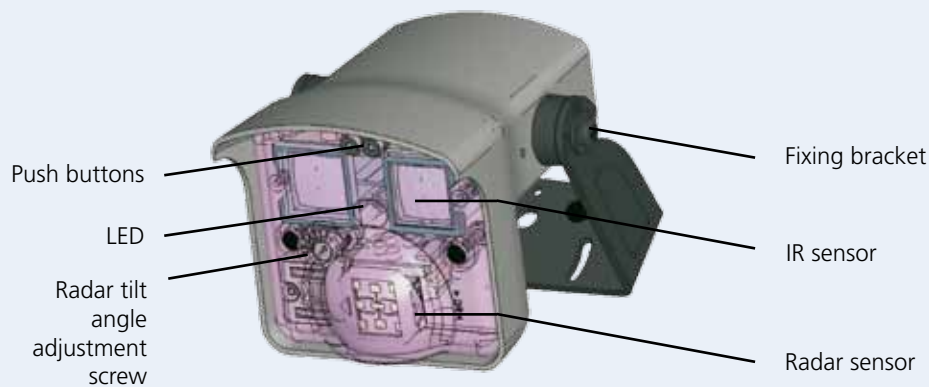
Temperature range:	-30°C to +60°C
Protection degree:	IP65
Humidity:	0-95% non-condensing

Technology

Detection type:	 motion	 motion & presence
Technology:	microwave	infrared
Radiated frequency/wavelength:	24.150 GHz	875nm
Radiated power density:	< 5mW/cm ²	< 250mW/m ²
Detection field:	4m x 5m**	3m x 3m** (5 lines x 8 spots)
Output hold time:	0.5s - 9s (adjustable)	0.5s
Reaction time:	100ms	250ms
Min. target speed:	5cm/s (in sensor axis)	5cm/s to activate a detection
Tilt angle:	-8° to 22° (relative to sensor front face)	15°- 45°
LED-signal:	green	red

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

Description



Accessories



Remote control



Spotfinder