

FALCON

Motion sensor for opening of all industrial doors

Radar technology enables accurate, reliable and targeted opening



Performance

- **reliable** and **efficient** motion detection
- energy savings thanks to unidirectionality
- can filter pedestrians and parallel traffic

Designed for industrial environments

- unaffected by door vibrations and environmental disturbances
- degree of protection : IP65
- can be installed up to 7 meters (depending on size and nature of target)

Optimization of installation

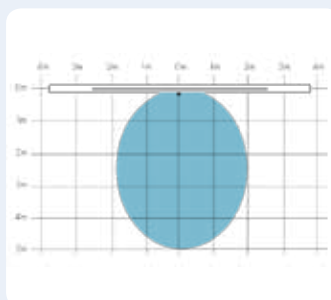
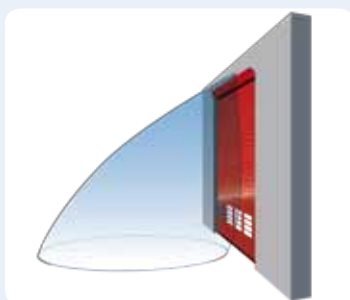
- plug and play
- great flexibility thanks to push buttons and remote control

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

* at 5m mounting height

Applications



Technical specifications

Electrical specifications

Supply voltage:	12 - 24V AC +/- 10% 12 - 24V DC +30% / - 10%
Power consumption:	< 2W
Output:	relay 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
------------------	---------------------------------------

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:	0° to 180° in elevation
LED-signal:	green, red

Mechanical specifications

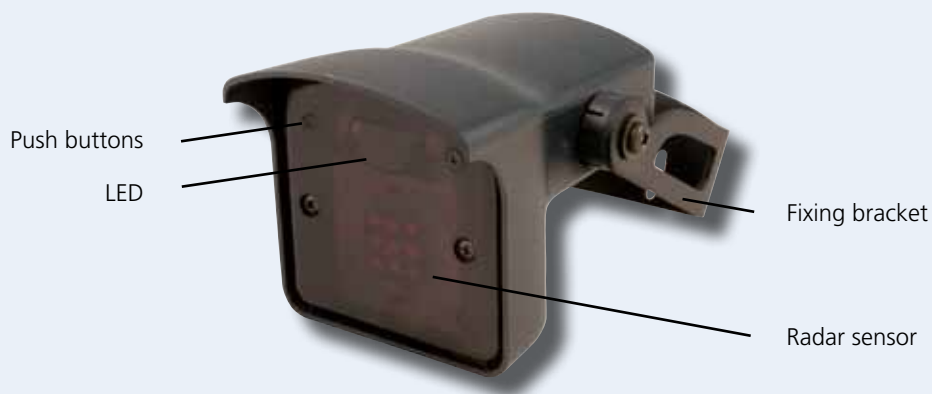
Installation height:	3.5m - 7m*
Dimensions:	127mm (D) x 102mm (W) x 96mm (H)
Housing material:	ABS
Front face material:	polycarbonate
Housing colour:	black
Front face colour:	black

Environmental conditions

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

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

Description



Accessories



Remote control