

# CONDOR

## Motion & presence sensor for industrial doors

### Dual technology for increased convenience and protection



#### Performance

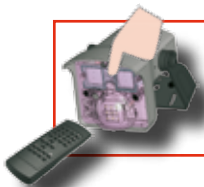
- **reliable** and **efficient** motion detection
- offers more **convenience** and **protection** to vehicles & pedestrians
- increases the **protection** of the **door** by reducing collision risk
- possibility to perform like induction loop systems

#### 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

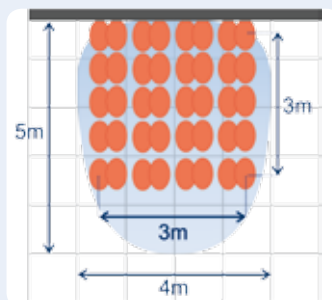
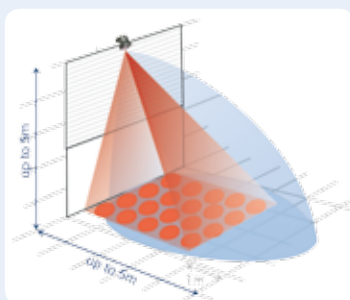


#### Presence detection

- 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

## 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

## Standards/Certification

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

## Environmental conditions

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

## Technology

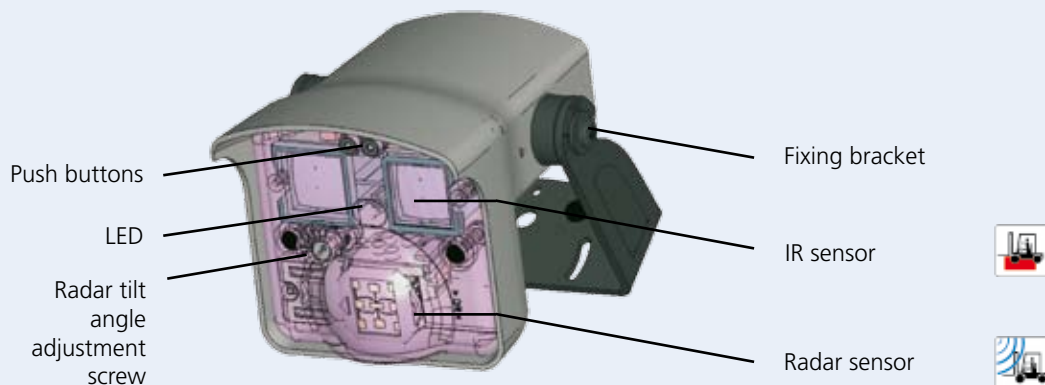
Detection type: motion  
 Technology: microwave  
 Radiated frequency/wavelength: 24.150 GHz  
 Radiated power density: < 5mW/cm<sup>2</sup>  
 Detection field: 4m x 5m\*\*  
 Output hold time: 0.5s - 9s (adjustable)  
 Reaction time: 100ms  
 Min. target speed: 5cm/s (in sensor axis)  
 Tilt angle: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



# Accessories



Remote control



Spotfinder

