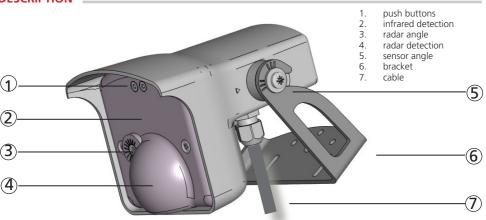
# **CONDOR / CONDOR XL**

Other use of the device is outside the permitted purpose and can not be guaranteed by the manufacturer. The manufacturer cannot be held responsible for incorrect installations or inappropriate adjustments of the sensor.

Motion and presence sensor for automatic industrial doors

CONDOR: for normal to high mounting (3.5 - 6 m) CONDOR XL: for low mounting (2 - 3.5 m)

#### **DESCRIPTION**



#### TECHNICAL SPECIFICATIONS

Supply voltage:	12V to 24V AC ±10%; 12V to 24V DC +10% / -3%		
Power consumption:	< 3.5 W / VA		
Mains frequency:	50 to 60 Hz		
Output:	2 relays (free of potential change-over contact)		
Max. contact voltage:	42 V AC/DC		
Max. contact current:	1 A (resistive)		
Max. switching power:	30 W (DC) / 48 VA (AC)		
Output holdtime:	0.5 s		
Mounting height:	CONDOR: 3.5 m - 6 m; CONDOR XL: 2 m - 3.5 m*		
Temperature range:	from -30 °C to + 60 °C		
Humidity:	0 - 95% non condensing		
Degree of protection:	IP65		
Dimensions:	127 mm (L) x 102 mm (H) x 96 mm (W)		
Materials:	ABS and polycarbonate		
Weight:	400 g		
Cable lenght:	10 m		
Norm conformity:	R&TTE 1999/5/EC; EMC 2004/108/EC		

Technology:	microwave doppler radar	active infrared
Transmitter frequency/wavelength:	24.150 GHz	875 nm
Transmitter power density:	< 5 mW/cm <sup>2</sup>	< 250 mW/m <sup>2</sup>
Detection mode:	motion	motion & presence
Detection field:	CONDOR: 4 x 5 m; CONDOR XL: 4 x 2 m**	4 m x 4 m (emitting spots***)
Min. detection speed:	5 cm/s	5 cm/s to activate detection
Reaction time:	100 ms	250 ms
Tilt angle:	-8° - 22° (relative to sensor front face)	15° - 45°

Specifications are subject to changes without prior notice. Measured in specific conditions

- depending on size and nature of targetmeasured at 30°, field size 9, mounting height: 5 m, XL: 3.5 m

1

#### LED- SIGNAL \_\_\_\_\_



Motion detection Value indication



Presence detection Parameter indication



Setup

## **ф**-

LED flashes

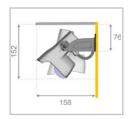


LED flashes quickly

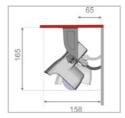


LED is off

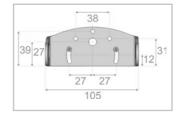
#### **DIMENSIONS (in mm)**



Wall mounting



Ceiling mounting



Bracket dimensions

#### **SAFETY INSTRUCTIONS**



Only trained and qualified personnel may install and setup the sensor.



After installation, save an access code to lock the sensor.



Test the good functioning of the installation before leaving the premises.



The warranty is void if unauthorized repairs are made or attempted by unauthorized personnel.

The manufacturer of the door system is responsible for carrying out a risk assessment and installing the sensor and the door system in compliance with applicable national and international regulations and standards on door safety.

#### **MOUNTING TIPS** -



Do not cover the sensor.



Avoid extreme vibrations.



Avoid proximity to neon lamps or moving objects.



Avoid exposing the sensor to sudden temperature changes.

#### HOW TO USE THE REMOTE CONTROL



After unlocking, the red LED flashes and the sensor can be adjusted by remote control.



If the red LED flashes quickly after unlocking, enter an access code from 1 to 4 digits.

If you do not know the access code, **cut and restore the power supply**. During 1 minute, you can access the sensor without introducing any access code.

#### ADJUSTING ONE OR MORE PARAMETERS



#### CHECKING A VALUE



#### **RESTORING TO FACTORY VALUES**



#### **SAVING AN ACCESS CODE**

The access code is recommended for sensors installed close to each other.

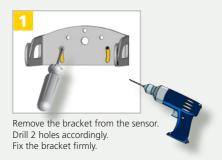


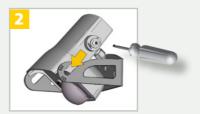
#### **DELETING AN ACCESS CODE**



If you do not know the access code, **cut and restore the power supply**. During 1 minute, you can access the sensor without introducing any access code.

## **MOUNTING**





Position the sensor on the bracket and fasten the screws.

## **WIRING**



POWER SUPPLY

RADAR OUTPUT Motion signal

Connect the wires to the door controller. Choose between NO and NC contact.

NO POWER NO DETECTION DETECTION



PK COM VT NO BK

IR OUTPUT Presence signal



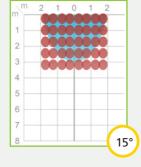
NO POWER NO DETECTION DETECTION

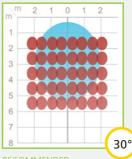


## **SENSOR ANGLE**

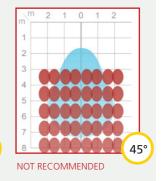


Adjust the angle of the sensor to position the detection fields.



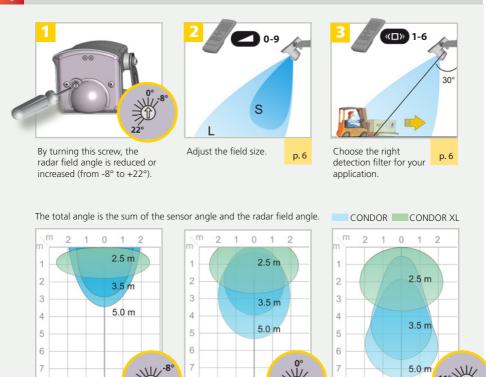


Tighten the screws firmly.



All detection field dimensions are measured in specific conditions (mounting height: 5 m, field size: 9). Infrared field = emitting spots detectable by Spotfinder. The actual detection field is slightly smaller and influenced by external factors.

## 4 RADAR FIELD



All detection field dimensions are measured in specific conditions and with a field size value 9.

8

Sensor angle: 30°

Total angle: 30 °

Radar field angle: 0°

Total angle = sensor angle

## 5 SETUP

8

Sensor angle: 30°

Total angle: 22°

Radar field angle: -8°



15-20 s





8

Sensor angle: 30°

Total angle: 41°

Radar field angle: +11°

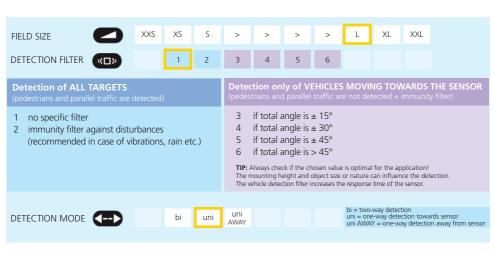
Launch a setup to make a reference picture.

Step out of the detection field and do not leave any tools inside the detection field.

After first power on, the sensor launches a setup and after each power cut a short setup is launched.

**IMPORTANT**: Test the good functioning of the installation before leaving the premises.









FACTORY VALUES

RESETTING TO FACTORY VALUES:



**IMPORTANT**: Always finish an adjustment session by launching a setup.



### TROUBLESHOOTING

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			The sensor is not powered.	1 Check the power supply of the sensor.

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BEA hereby declares that the CONDOR is in conformity with the basic requirements and the other relevant provisions of the directives 1999/5/EC and 2004/108/EC. Jean-Pierre Valkenberg, authorized representative The complete declaration of conformity is available on our website: www.bea.be



