

# CONDOR

## MOTION & PRESENCE SENSOR FOR INDUSTRIAL DOORS

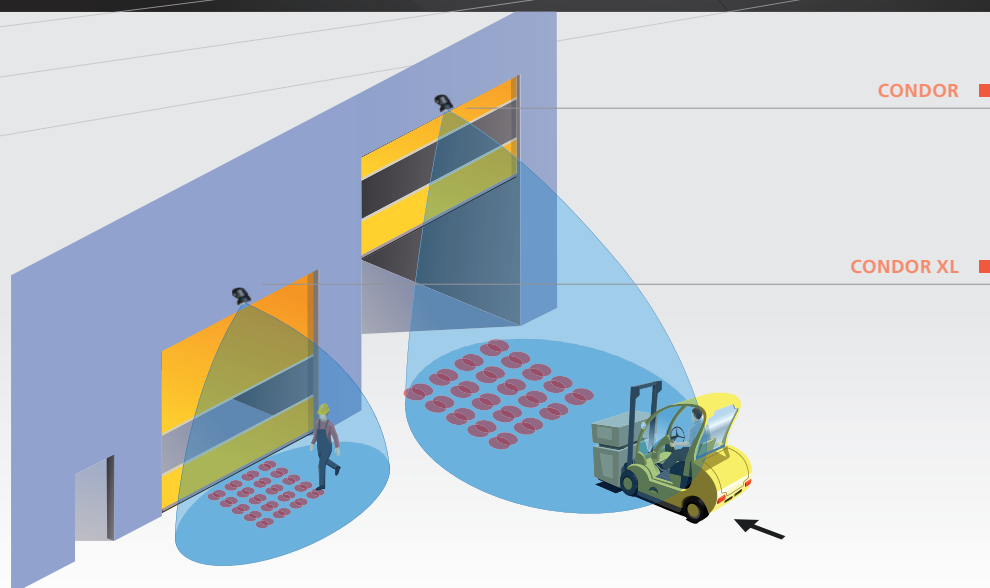
Commercial sheet



### 2 IN 1 : ACTIVATION AND AREA MONITORING IN ONE SINGLE PRODUCT

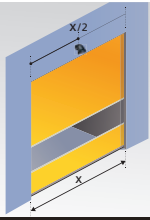
#### DESCRIPTION

The **CONDOR** has a microwave motion detector and an active infrared presence sensor built in the same housing. The microwave FALCON-type planar antenna stands for a comfortable activation quality. The signal treatment results in an accurate precision to filter out pedestrians, cross-traffic and possible interferences. The active infrared technology offers a presence area where every vehicle and object standing still close to the door will be detected.

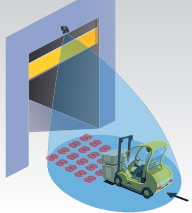


#### PERFORMANCE

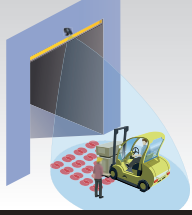
- The approach detection can be easily adjusted according to the environment.
- The home-made planar antenna features an accurate pedestrian/vehicle filtering and a reliable cross-traffic rejection.
- The presence area is defined to detect every vehicle in front of the door.
- This detection area allows to decrease the door timer: it offers energy savings proportional to the number of door closing cycles.
- The CONDOR stands for an alternative solution to induction loops with a faster installation and service.



Recommended for best performances

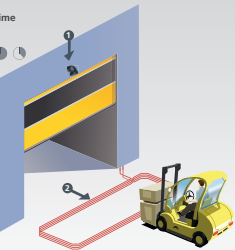


Comfortable opening (microwave)

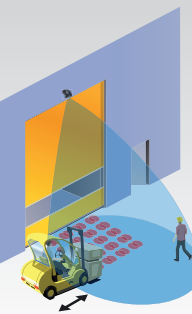


Protection of the door (infrared)

Installation time



Quick installation



Capacity to filter pedestrian and cross traffic

## APPLICATIONS

- High doors (till 6 m) : **CONDOR**.
- Small doors (till 3.5 m) : **CONDOR XL**.

## DESIGNED FOR INDUSTRIAL ENVIRONMENTS

- Protected against door vibrations and interferences coming from the environment.
- Rugged housing adapted to industrial applications.
- Degree of Protection : IP65.

## EASE OF INSTALLATION

- Simple «plug and play» installation.
- Flexible operation thanks to the remote control and the spotfinder.

## TECHNICAL SPECIFICATIONS

|   |  |                               |
|---|--|-------------------------------|
| <b>Technologies</b>                     | Microwave doppler radar                                  | Active infrared               |
| <b>Detection mode</b>                   | Motion   | Presence                      |
| <b>Transmitter frequency/wavelength</b> | 24.150 GHz   | 875 nm                        |
| <b>Transmitter power density</b>        | < 5 mW/cm <sup>2</sup>                                   | < 250 mW/m <sup>2</sup>       |
| <b>Detection field</b>                  |  |                               |
| CONDOR                                  | 4 m x 5 m *  | 4 m x 4 m (Emitting spots **) |
| CONDOR XL                               | 4 m x 2 m *  | 4 m x 4 m (Emitting spots **) |
| <b>Reaction time</b>                    | 100 ms   | 250 ms                        |
| <b>Min. detection speed</b>             | 5 cm/s   | 5 cm/s to activate detection  |
| <b>Tilt angle</b>                       | -8° - 22° (relative to sensor front face)                | 15° - 45°                     |
| <b>LED signals</b>                      | Green  | Red                           |
| <b>Supply voltage</b>                   | 12V to 24V AC ± 10 %<br>12V to 24V DC +10 % / -3%        |                               |
| <b>Mains frequency</b>                  | 50 to 60 Hz  |                               |
| <b>Power consumption</b>                | < 3.5 W/VA   |                               |
| <b>Output</b>                           | 2 relays (free of potential change-over contact)         |                               |
| Max. contact voltage                    | 42V AC/DC  |                               |
| Max. contact current                    | 1A résistif  |                               |
| Max. switching power                    | 30W (DC)/ 48VA (AC)                                      |                               |
| <b>Output holdtime</b>                  | 0.5 s  |                               |
| <b>Temperature range</b>                | From -30°C to +60°C                                      |                               |
| <b>Cable length</b>                     | 10 m   |                               |
| <b>Mounting height</b>                  |  |                               |
| CONDOR                                  | 3.5 m - 6 m (depending on size and nature of the target) |                               |
| CONDOR XL                               | 2 m - 3.5 m (depending on size and nature of the target) |                               |
| <b>Dimensions</b>                       | 127 mm (L) x 102 mm (H) x 96 mm (W)                      |                               |
| <b>Degree of protection</b>             | IP65   |                               |
| <b>Humidity</b>                         | 0-95 % non condensing                                    |                               |
| <b>Materials</b>                        | ABS/Polycarbonate (Colour: black/smoked purple)          |                               |
| <b>Norm conformity</b>                  | EMC: 2004/108/EC<br>R&TTE: 1999/5/EC                     |                               |

Specifications are subject to changes without prior notice.

\*\*Zone detected by spotfinder, slightly bigger than actual detection field

**DISCLAIMER** This document as well as all other enclosed documents (quotation / specification / other) are provided «as is» without warranties of any kind, either expressed or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. / Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will BEA be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. / BEA has the right without liability to change descriptions and specifications at any time. / Prices, shipping and availability are subject to change without prior notice.

