

# CONDOR

## MOTION & PRESENCE SENSOR FOR PARKING APPLICATIONS

Commercial sheet



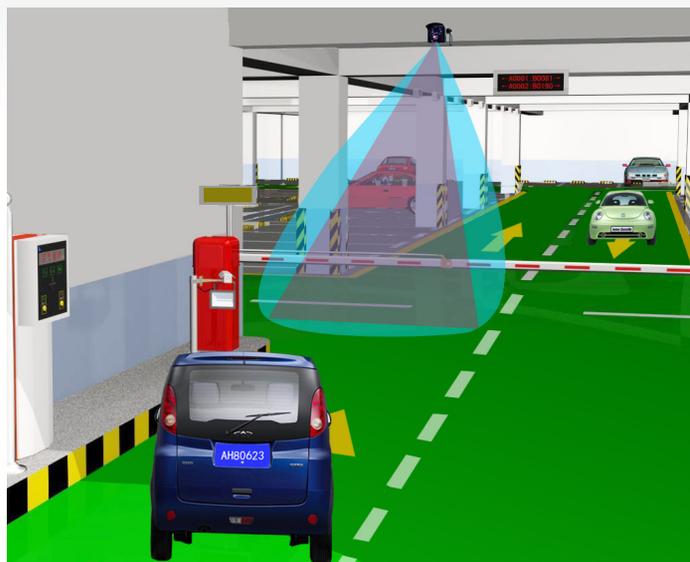
### ACTIVATION AND AREA MONITORING IN ONE SINGLE PRODUCT

#### DESCRIPTION

The **CONDOR** has a microwave motion detector and an active infrared presence sensor built in the same housing. The microwave planar antenna offers a reliable activation and has the possibility to filter out pedestrians, cross-traffic and possible interferences. The active infrared technology offers a presence area where every vehicle and object standing still will be detected.

#### PERFORMANCE

- The CONDOR is used in parking applications as an intelligent guidance system providing high accuracy counting data.
- The BEA planar antenna features an accurate pedestrian/vehicle filtering and a reliable cross-traffic rejection.
- The CONDOR stands for an alternative solution to induction loops with a faster installation and service.
- The CONDOR is a cost efficient solution for intelligent parking guidance.
- We have 3 different versions:
  - > CONDOR: For high mounting height (from 3,5m till 5m).
  - > CONDOR XL: for low mounting height (from 2m till 3,5m).
  - > CONDOR J: Special version for counting applications.





EXIT loop replacement



ENTRY loop replacement



Counting solution



Counting solution



Traffic light management

## APPLICATIONS

- Vehicle activator only for ticket dispenser or card reader at parking entrance.
- Alternative sensors to loop detector for weighing bridge or industrial application.
- Car park zone counting – for small and medium car parking.
- Above ground detector for traffic control management.

## EASE OF INSTALLATION

- Simple and fast installation without interrupt current traffic, save time and cost.
- Built in smart logic functions to deal with various signalling demand.
- Outdoor applications: IP65 protection.

## TECHNICAL SPECIFICATIONS

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

