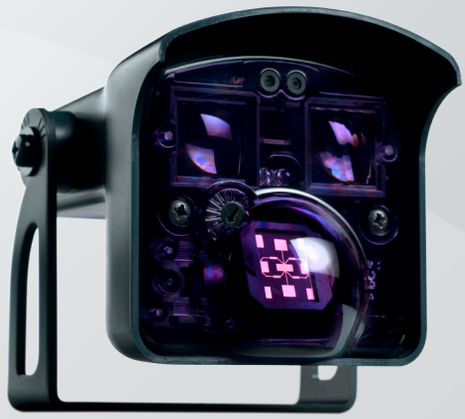
CONDOR

MOTION & PRESENCE SENSOR FOR PARKING APPLICATIONS

Commercial sheet



ACTIVATION AND AREA MONITORING IN ONE SINGLE PRODUCT

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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.

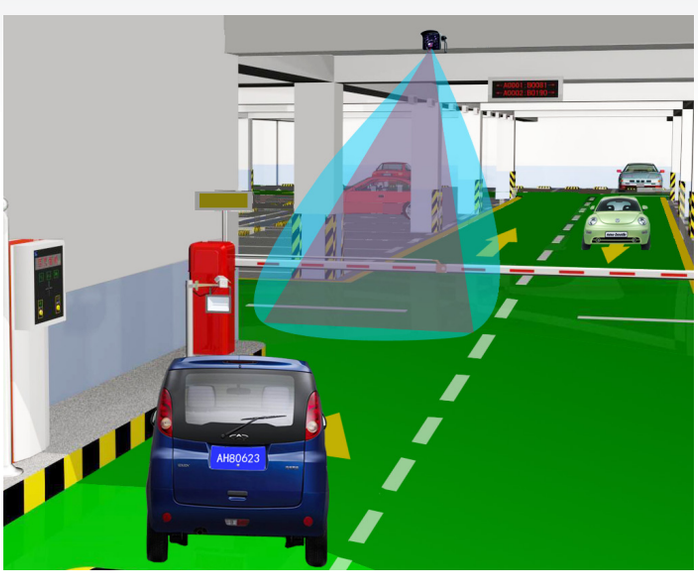
PERFORMANCE

- 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.



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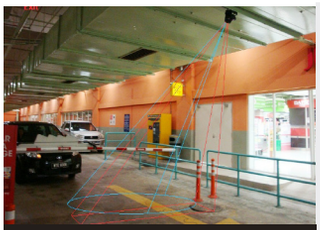
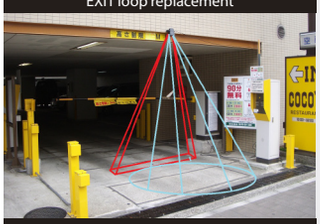
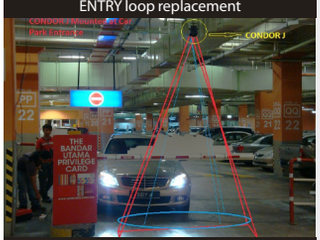
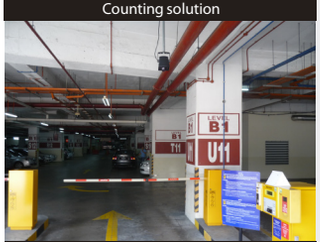
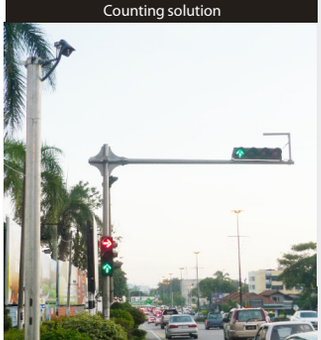
APPLICATIONS


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/cm²	< 250 mW/m²
Detection field CONDOR CONDOR XL	 4 m × 5 m * 4 m × 2 m *	 4 m × 4 m (Emitting spots **) 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 Max. contact voltage Max. contact current Max. switching power	2 relays (free of potential change-over contact) 42V AC/DC 1A résistif 30W (DC)/ 48VA (AC)	
Output holdtime	0.5 s	
Temperature range	From -30°C to +60°C	
Cable length	10 m	
Mounting height CONDOR CONDOR XL	 3.5 m - 6 m (depending on size and nature of the target) 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

A HALMA COMPANY

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