

QUALITY POLICY

It is our commitment to provide the service with the highest standard of safety, quality and reliability that meet the specified requirements and expectations.



KAF Idea Tech Sdn. Bhd.
"Your Easy Solution"

Sensor using Microwave Motion Detector KAF WIRELESS VEHICLE DETECTOR



The sensor 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.

Wireless vehicle detection | Motion sensor | VA technology

EASY INSTALLATION AND FAST CONFIGURATION

Motion and presence detector is easy to install. You can simply mount it on the existing infrastructure.

KEY FUNCTIONALITIES:

- *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.*
- *The sensor stands for an alternative solution to induction loops with a faster installation and service.*

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 will be detected



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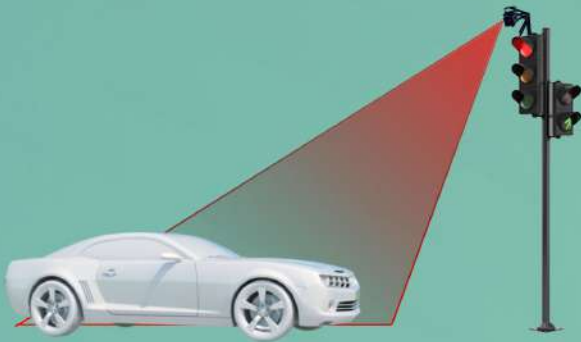
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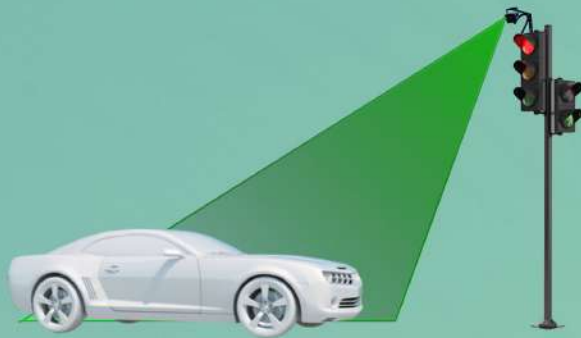
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TECHNICAL SPECIFICATION



Active Infrared

Detection mode	Presence
Transmitter frequency /wavelength	875 nm
Transmitter power density	< 250 mW/m ²
Detection field	4 m x 4 m
Reaction time	250 ms
Min. detection speed	5 cm/s to avtive detection
Tilt angle	15° - 45°
LED signals	Red



Microwave Doppler Radar

Detection mode	Motion
Transmitter frequency /wavelength	24.150 GHz
Transmitter power density	< 5 mW/cm ²
Detection field	4 m x 5 m
Reaction time	100 ms
Min. detection speed	5 cm/s
Tilt angle - 8°	22° (relative to sensor front face)
LED signals	Green

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 resistive
Max. switching power	30W (DC)/ 48VA (AC)
Output hold time	0.5 s
Temperature range	From -30°C to +60°C
Cable length	10 m
Mounting height	3.5 m - 6 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 (Color: black/smoked purple)
Norm conformity	EMC: 2004/108/EC R&TTE: 1999/5/EC

OVERVIEW



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