



Advance Dynamic System Sdn. Bhd.

WIRELESS VEHICLE DETECTOR (WVD)

Provide a smart solution and intelligent traffic system

- The wireless vehicle detection system contains wireless vehicle detectors and wireless access point.
- This setup is sometimes complemented by a repeater, or several.
- Firstly, the wireless vehicle detectors detect vehicles existence/driving direction/speed and so on. And then send all the data information wirelessly to wireless access point.
- Lastly, wireless access point aggregates these data and report key traffic parameters such as presence, lane occupancy, queue length and so on.

Product Description

- ◆ Wireless Vehicle Detector is based on magnetometer, short range RF and nano power communication protocol technology.
- ◆ It is installed onto the road surface to collect the data of traffic flow.
- ◆ The data is gathered by Wireless Access Point, which acts as a wireless gateway between the wireless vehicle detection system and other traffic application systems.
- ◆ All the Wireless Vehicle Detector, under the management of Wireless Access Point, establish a local wireless sensor network, which collects traffic information real time.



SMART TRAFFIC ANALYZER (STA)



Technical Specification

Life Span	: 10 years
Operation Temperature	: -40 - 85c
Product Size	: Diameters 116mm/Height 90mm
Anti-press Ability	: Pulse force over 500kg
Reaction	: 10ms
Radius Of Detection	: 0.5 - 1m
Protection	: IP68
Accuracy	: 97%
Wireless Radio Frequency	: 433MHz
Time Of Installation	: 5 - 10 minutes
Technology	: Magnetic sensor
Communication	: Wireless communication
Installation	: Pavement drilling, no slotting
Cable Slot	: Wireless, no cable slot
Power And Consumption	: Battery power supply, low energy consumption
Service Life	: More than 5 years
Work Condition	: All weather
Application Vehicle	: Car, van, truck, container

Main Features

- Vehicle existence/driving direction/speed/traffic flow detection
- Intelligent switch
- Wireless radio frequency: 433MHz/2.4Hz
- Temperature detection and power detection
- Wireless communication distance: 150m
- Accuracy of detection is more than 97%
- Communication protocol: ROSIM protocol/Zigbee
- Power supply: Battery
- Impervious to whether
- Rapid installation and deployment reduces road closures and worker exposure
- Applied to car, microbus, trailer, truck, motorcycle, special vehicle



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