

AGD307

Traffic Control Radar



The AGD307 is a smart FMCW radar which is designed to make vehicle movements at Traffic Control Installations more efficient. The design is also robust, cost-effective and highly configurable which also makes it suitable for multiple Intelligent Transport Systems (ITS) management applications.

This product has been designed to be highly versatile for a host of global traffic applications including; Intersection Control, Sign Activation and Temporary Traffic Control. The AGD307 Doppler radar operates in the 24GHz band. Its very compact size belies the outstanding detection performance offered by this entry level radar.



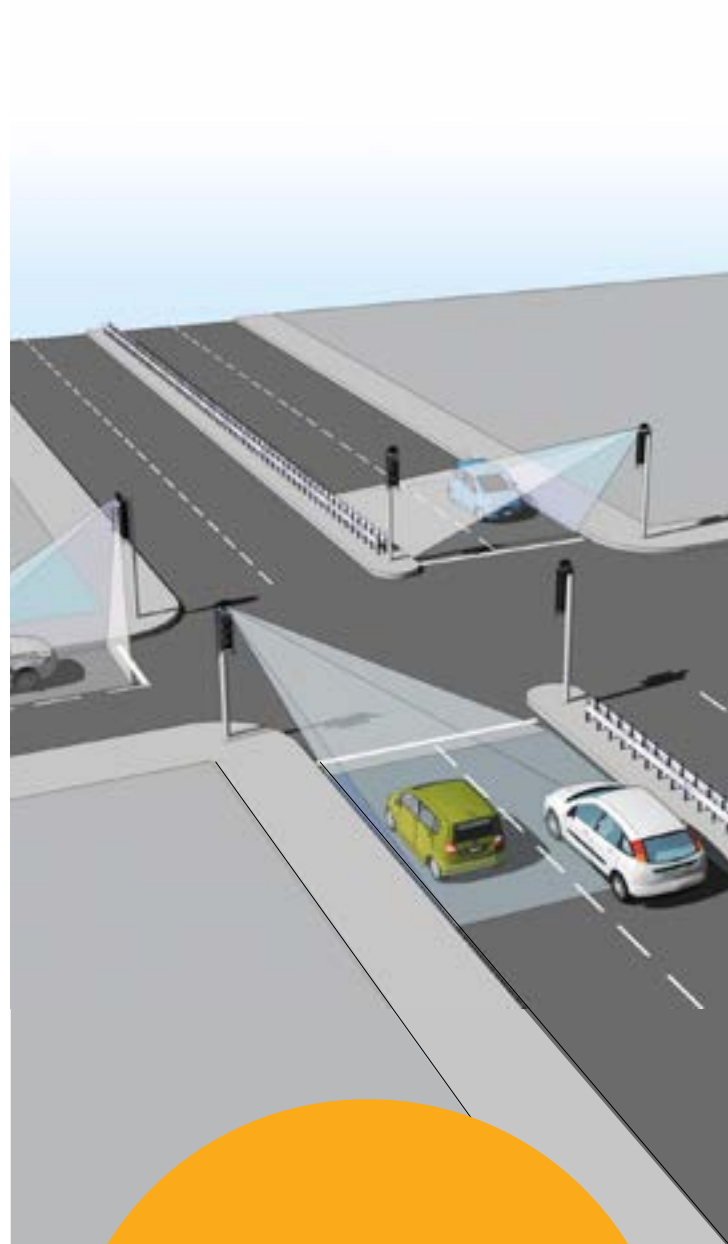
Intersection control



Sign Activation



Temporary traffic control



KEY FEATURES

- Vehicle radar detection for multiple applications
- Technically advanced detection platform
- Modern, compact stand-alone detector
- Cost-effective solution
- Dual lane monitoring
- Approach or bi-directional detection
- User adjustable parameters via DIP and rotary switches
- User selectable low speed threshold typically 4kph or 8kph via DIP switch
- User adjustable parameters via optional RS422 interface
- Solar powered options (<1W at 12Vdc)
- 4kph-120kph adjustable speed threshold

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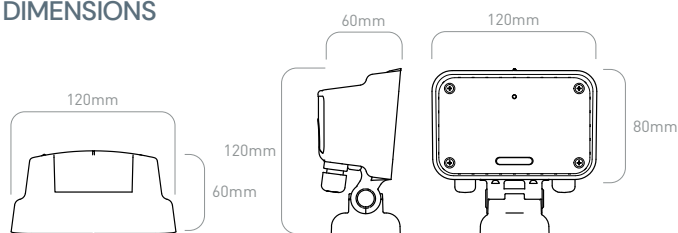
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PRODUCT SPECIFICATION

Description	Traffic Control Radar
Technology	CW Doppler Radar
Frequency	K-band 24GHz
Range/Zone	Up to 150m (user selectable)
Mounting Height	2–5m nominal
Low Speed Threshold	4 kph to 120 kph (user selectable)
Direction	Advancing or bi-directional (user selectable)
Weight	0.4 Kg nominal
Housing Material	Polycarbonate (UL94 V-2)
Housing Finish	Self coated black
Sealing	IP65
Operating Temp	–25°C to +60°C
Power Supply	12Vdc /24Vac/dc/230Vac (see Power Options P7)
Detect Output	Opto-Isolator/Relay/RS422 (speed output)
Configuration Interface	DIP switch and rotary switch access on rear face or optional RS422
MTBF	>20 Years (with a 90% confidence, estimated using field data from 10,000 installed units over a 3-year period)
EMC Specification	EN301-489 and BSEN50293
Radio Specification	ETS 300.440
Electrical Safety	EN60950

DIMENSIONS



TESTED AND AGD CERTIFIED

All AGD products are Tested, Calibrated and AGD Certified so customers know that all devices will perform exactly as described.



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