



SPECIFICATIONS	
Technology	FMCW Radar
Radiated Power	<100mW EIRP
Centre Frequency	24.174GHz (channel 1) – 24.223GHz (channel 2)
Bandwidth	44MHz
Range	6 to 150m (depending on variant)
Mounting	M10 Pan/Tilt Bracket
Mounting Height	2 – 5m nominal
Speed Range	4 to 300 kph (depending on variant)
Weight	0.7 Kg nominal
Housing Material	UV Stable Polycarbonate
Housing Finish	Self coated black
Sealing	IP65
Operating Temperature	-20°C to +60°C
Power	2.7W at 12V dc (225mA)
Power Supply	12Vdc, 24Vac/dc, 230Vac depending on model
Radar Output	Opto, Relay or RS422
EMC Specification	ETSI EN 301 489 and BS EN 50293
Radio Specification	ETSI 300.440, FCC CFR47 Part 15.245*
MTBF	20 years

APPLICATIONS

- Single lane detection for traffic control
- Single-lane multi-loop-replacement detection for crossing and junction approaches
- MOVA Junctions
- Cycle Detection
- Bus/HGV Detection & Discrimination
- Speed Discrimination
- Detection for 'Green Wave' Applications
- Wrong direction detection for highways
- Sign activation
- Dual line detection for rail

Owing to the Company's policy of continuous improvement, AGD Systems Limited reserves the right to change their specification or design without notice. AGD products should be installed by a competent person.

PRODUCT VARIANTS	
318-300-000	Multi-application radar / 230V / 24.174GHz / RS422 Speed & Count output / 5m lead
318-304-022	Multi-application radar / 230V / 24.174GHz / Dual Relay output / WiFi / 5m lead
318-305-021	Multi-application radar / 230V / 24.174GHz / Single Relay output / WiFi / 5m lead
318-500-000	Multi-application radar / 12/24V / 24.174GHz / RS422 Speed & Count output / 5m lead
318-508-000	Multi application radar / 12/24V / 24.174GHz / RS422 Speed & Count output / 5m lead / Self Test Option
318-510-000	Multi-application radar / 12/24V / 24.124GHz / RS422 Speed & Count output (International Variant)
318-511-022	Multi-application radar / 12/24V / 24.174GHz / Dual Opto output / Wi-Fi / 3m lead + mating lead
318-512-022	Multi-application radar / 12/24V / 24.174GHz / Dual Opto output / WiFi / 5m lead
318-513-021	Multi-application radar / 12/24V / 24.174GHz / Single Opto output / WiFi / 3m lead + mating lead
318-514-021	Multi-application radar / 12/24V / 24.174GHz / Single Opto output / WiFi / 5m lead

