



| 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 |

