AGD

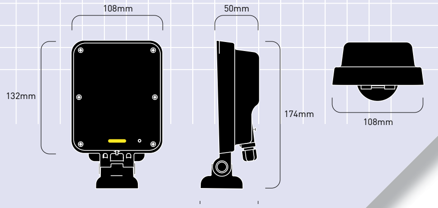
ADVANCED PEDESTRIAN DETECTION

CW DOPPLER RADAR TECHNOLOGY

AGD 226

CW RADAR PEDESTRIAN ON-CROSSING DETECTOR

DIMENSIONS



AGD226 SPECIFICATIONS

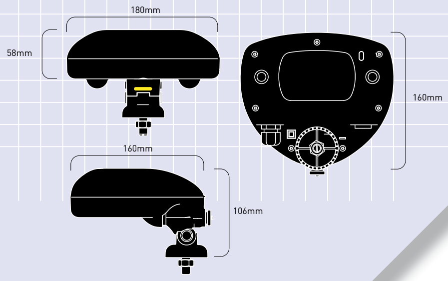
Technology	CW Doppler radar
Frequency	10.577-10.597 GHz X-Band
Range/Zone	8m or 16m long (user selectable) and upto 6m wide (alignment dependent)
Mounting Height	3-5m nominal
Low Speed Threshold	1.8km/hr
Direction	Bi-directional only
LED Indication	Front LED On/Off (user configurable) Rear LED On
Weight	650g
Housing Material	Polycarbonate
Housing Finish	Self coloured black
Sealing	IP65
Operating Temperature	-20° C to +60° C
Power Supply	24Vac/dc
Current	90mA Typical @ 24Vac
Detect Output	Opto isolator
Configuration Interface	DIP switch access to rear face
EMC Specification	ETSI EN 301 489
Radio Specification	EN 300 440
Electrical Safety	EN60950
HA Specification	TR2506

DIGITAL VISION TECHNOLOGY

AGD 640

ADVANCED DIGITAL VISION PEDESTRIAN WAIT AREA DETECTOR

DIMENSIONS



AGD640 SPECIFICATIONS

Technology	Advanced Digital Vision
Detection Zone	3m x 2m default (user configurable)
Mounting Height	3-4m nominal
Presence Time	3min default (user configurable)
Hold Time	0.8 sec default (user configurable)
LED Indication	Front LEDs for Detect and Bluetooth Connection
Weight	600g
Housing Material	Polycarbonate
Housing Finish	Self coloured black
Sealing	IP65
Operating Temperature	-20° C to +60° C
Power Supply	24 Vac/dc
Current	180mA Average @ 24Vac
Detect Output	SPCO Relay (SPDT)
Configuration Interface	Livewire Bluetooth or Serial Cable
EMC Specification	ETSI EN 301 489
Electrical Safety	EN 60950
HA Specification	TR2507

See Data Sheets for list of accessories and options available for both detectors

nqa. ISO 9001 Registered 16438 | nqa. ISO 14001 Registered | UKAS 015

AGD Systems Limited
White Lion House
Gloucester Road
Staverton, Cheltenham
Gloucestershire
GL51 0TF
UK

T: +44 (0) 1452 854212
F: +44 (0) 1452 854213
E: info@agd-systems.com
N: www.agd-systems.com

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AGD ADVANCED PEDESTRIAN DETECTION

NEW

AGD 640

ADVANCED DIGITAL VISION PEDESTRIAN WAIT AREA DETECTOR

- Technically advanced detection platforms
- Modern, compact stand-alone detectors
- Advanced digital vision technology
- Livewire/Bluetooth enabled options
- Custom designed planar antenna

NEW

AGD 226

CW RADAR PEDESTRIAN ON-CROSSING DETECTOR

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www.agd-systems.com
www.agd-nss.com
☎ +44 (0)1452 854212

ADVANCED PEDESTRIAN DETECTION

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NEW

CW DOPPLER RADAR TECHNOLOGY

AGD226

PEDESTRIAN PRESENCE

CW RADAR PEDESTRIAN ON-CROSSING DETECTOR

This modern compact detector can be used at pedestrian crossing installations for the detection of pedestrians or cyclists traversing the crossing in either direction. The output from the detector can be used to extend the all red traffic phase whilst pedestrians are still traversing the crossing.

Typically two radar detectors are used for each crossing, one mounted on each side of the crossing, to give high detection integrity from one kerbside to the other.

The detector features a custom designed 10.5GHz planar antenna coupled with advanced radar processing in a modular design. The unit is compact in size and lightweight for ease of installation in a robust polycarbonate housing.

Building on a solid track record and with the largest installed base of pedestrian detection in the world AGD Systems deliver innovative technology solutions to market that are modern, compact and technologically advanced. Users will be able to deploy these with ease on existing street furniture for pedestrian crossing schemes in line with local strategies.

- Technically advanced detection platforms
- Modern, compact stand-alone detectors
- Radar detectors for pedestrian on-crossing detection with custom planar antennas
- Digital vision detectors for pedestrian wait area detection
- Livewire/Bluetooth enabled options
- Fully field re-flashable on high end products
- Infrared illumination of zone for night-time operation

APPLICATION: PEDESTRIAN CROSSING

NEW

DIGITAL VISION TECHNOLOGY

AGD640

PEDESTRIAN PRESENCE

ADVANCED DIGITAL VISION PEDESTRIAN WAIT AREA DETECTOR

The AGD640 has been designed for the detection and monitoring of pedestrians waiting to cross the road. It is a short range device which monitors a definable zone.

The dual optical system of this detector is designed to view a detection zone adjacent to the pole to which it is mounted. The AGD640 uses both ambient light and its own infra-red illumination system to perform a twenty-four hour detection function in conditions ranging from bright sunlight to urban night-time. In Enhanced mode the zone size is 3m x 2m with a high level of shadow rejection. Pedestrians that are waiting to cross in the designated zone will generate a detect state.

The integrated vision sensors and embedded processing utilise the AGD Livewire platform to optimise the detector's performance for a given installation. The AGD Livewire interface allows the user to adjust the zone size, presence and hold times.

The AGD640 is supplied fully Bluetooth and Serial Cable Livewire enabled offering the added benefit of detector parameter adjustment and maintenance from the safety of ground level.