

PEDESTRIAN DETECTION

WAIT AREA

DATA



NEW

DIGITAL VISION TECHNOLOGY



AGD 640

PEDESTRIAN PRESENCE

ADVANCED DIGITAL VISION PEDESTRIAN WAIT AREA DETECTOR

INTRODUCTION

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. This advanced digital vision detector operates in the visible and near infra-red spectrum. The detector is able to detect pedestrians by virtue of its contrast with the background and its associated context.

DESCRIPTION

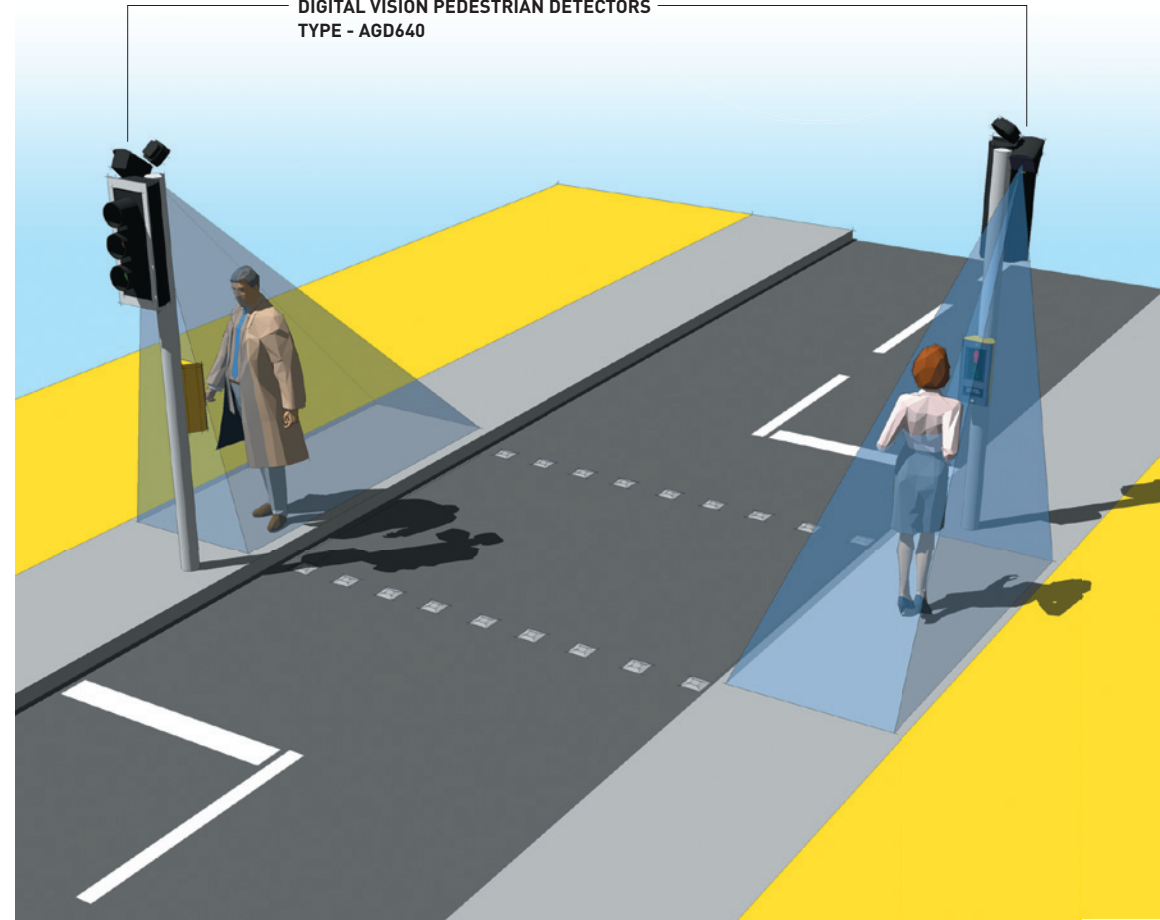
The AGD640 has been specifically designed to meet the detection requirements of UK pedestrian crossing strategies.

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 processing utilise the AGD Livewire based platform to adapt the detector's performance for a given installation. AGD Livewire provides the facility to adjust the zone size, presence and hold time.

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

DIGITAL VISION PEDESTRIAN DETECTORS
TYPE - AGD640



APPLICATION: PEDESTRIAN CROSSING



PEDESTRIAN DETECTION

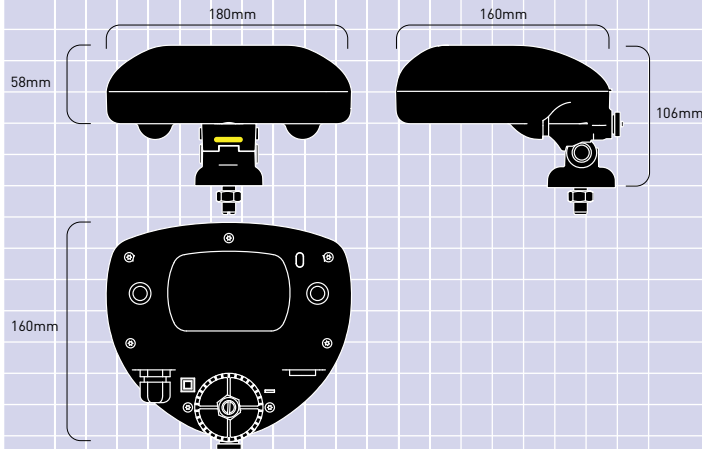
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AGD 640 PEDESTRIAN PRESENCE

DIMENSIONS



SPECIFICATIONS

Technology	Advanced Digital Vision
Detection Zone	3m x 2m default (see Option 1)
Mounting Height	3 - 4m Preferred
Presence Time	3min default (see Option 1)
Hold Time	0.8 sec default (see Option 1)
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 (see Option 2)
Current	180mA Average @ 24Vac
Detect Output	SPCO Relay (SPDT) (see Option 3)
Configuration Interface	Livewire Bluetooth or Serial Cable
EMC Specification	EN 50293
Electrical Safety	EN 60950
HA Specification	TR2507

OPTIONS

1. User configurable via Livewire platform
2. Power supply option of 230Vac available
3. Opto isolator output available

ACCESSORIES

- CA-083 Mating connector complete with 1.5m cable
- AGD935 User interface for detectors with Livewire platform
- MS-068 Serial Livewire laptop user kit
- MS-077 Laptop Bluetooth adapter kit
- MS-122 USB Livewire laptop user kit

Owing to the Company's policy of continuous improvement, AGD Systems Limited reserves the right to change their specification or design without notice.



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