

The Diamond PGS



Octagonal 45° sensor

Full solution Parking Guidance System

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VENTURES**

Electronic Services [Pty] Ltd

Your Partners for Development, Production & Automatic Testing

Octagonal 45° Sensor.

The PGS-45° Sensor is an ultrasonic range detector, Designed for vehicle detection in Parking Guidance System applications. This unit was designed to sense a vehicle from the Driveway reducing the installation cost.



Functional Specifications

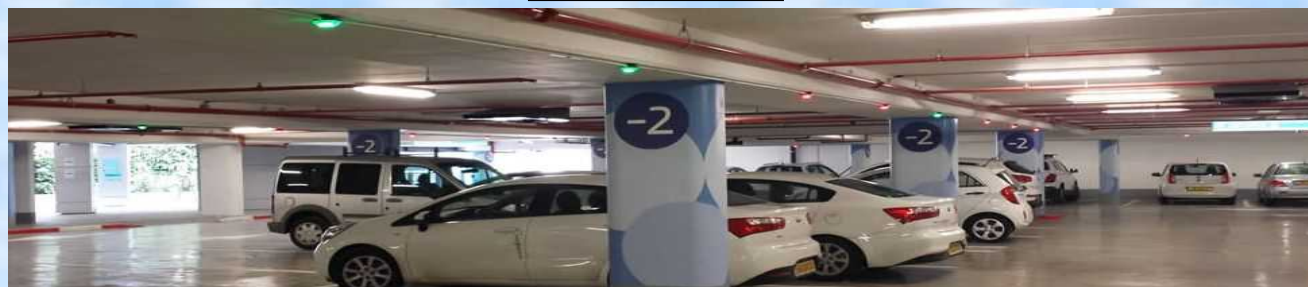
Accuracy	Better than 98.0%
Power consumption	Less than 350mW per unit
Power supply	16V-24V
Communication protocol	Daisy chain RS232 / Parallel RS485
Practical detection range	200mm to 2000mm
Intensity	

	Pick Luminous intensity	Total Luminous flux
Red	1500 Mcd	18 Lumen
Green	3300 Mcd	40 Lumen
Blue	1500 Mcd	18 Lumen
Orange	1500 Mcd	18 Lumen
White	5000 Mcd	60 Lumen

Environmental specifications

Operating temperature	-20° to +70°
Storage temperature	-40° to +85°
Humidity	Up to 98% Non condensing
Material	Polycarbonate
Housing	IP56
Dimensions	Octagonal 92mm X 50mm
Weight	110g
Safety Standard	IEC 60950-1
RFI/EMI Standard	IEC 61000
European Standard	CE

Other features



Flexible installation options

Attached straight to the ceiling
Attached to conduit junction boxes
Suspended under metal/PVC cable-way

Lightning protection on all inputs and outputs.
Self test and Status LED for easy fault detection.
Hot swappable.
Low cost.