

ParkGard® Digital Zone Controller PZ-01 with RS 485 Bus

Description

Zone controller for continuous monitoring of the occupancy status of the parking spaces in a parking garage.

The zone controller series PZ-01 can monitor up to 256 magnetic field sensors via the RS 485 bus.

It carries out the periodic interrogation and monitoring as well as the parameter settings of the magnetic field sensors.



Application

The PZ-01 zone controller establishes the connection to the magnetic field sensors and transmits the information to the arrow and counting displays.

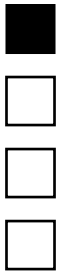
The transmission of the data to a control and communication system can be realized via different interfaces (e.g. TCP/IP, LON).

Features

- Max. 256 magnetic field sensors PM-01
- Simple and fast commissioning by configuration with standard parameters
- Flexible configuration by programmable parameters
- Power supply for four circuits
- Max. 4 repeaters
- Outputs for arrow and counting displays
- Relay outputs for ext. signals (e.g. traffic light)
- Robust housing
- Serial interface
- Option: Housing lockable

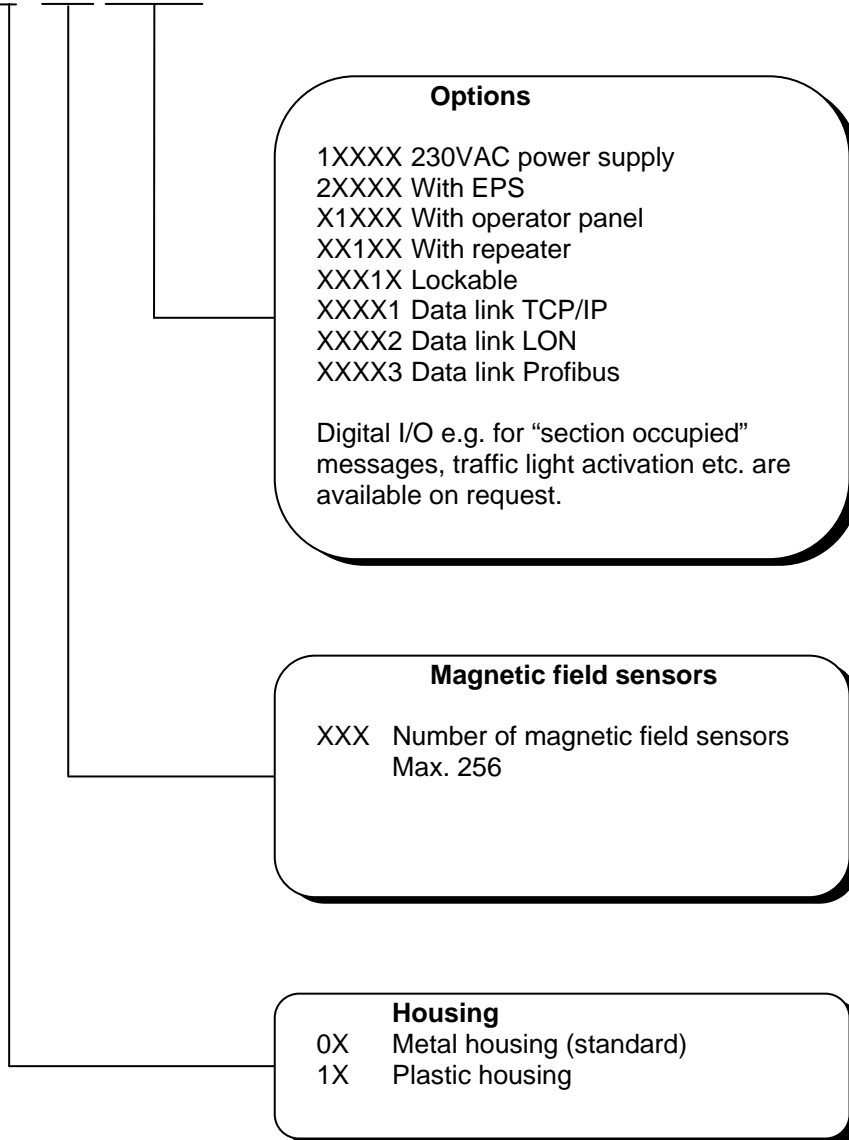
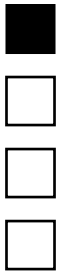
Specifications

Electrical	
Power supply	110/230 VAC 50/60Hz;
Power consumption	Min. 50 W Max. 540 W Depending on type
Interface	
Serial	RS 485 / 19200 Baud
Mounting distance of the sensors	
Lateral installation	Mounting height 40 – 70cm Distance car to sensor 30 – 150cm
Installation above the vehicle	Mounting height 220 – 250cm Installation in the middle of the lane
Humidity	15 – 95 % RH non-condensing
Working temperature	0° C to + 55° C
Storage temperature	-20° C to +85° C
Physical characteristics	
Enclosure	Metal housing
Colour	RAL 7032
Protection class	IP 65
Weight	Depending on configuration
Mounting	Wall mounting / ceiling installation
Cable entry	M 16; M 20; M 25
Wire connection	Screw type terminal: 2,5 mm ² Spring type terminals: min. 0,08, max. 2,5 mm ²
Dimensions	Type (W x H x D) 400 x 600 x 200 mm
Guidelines	EMC CE – Interference immunity acc. to EN 50082-2 EMC CE – Interference emission acc. to EN 50081-2 Low Voltage Directive 73/23/EEC
Warranty	2 years



Ordering Information

PZ-01-XXX-XXXXX



Example: PZ-01 Plastic housing, for 80 sensors, 230V and TCP/IP data link

Ordering number: **PZ-01-80-10001**