COMPONENTS OF PARKING GUIDANCE SYSTEMS

USS350e Single-space-monitoring-sensor

- **Parking space indicator and single space sensor combined in one component!**
- **Power and data in one cable**
- **Small robust cabinet**
- **Exposed or rail mounting**
- **mounting height: 2,30 up to 3,20 m**
- **Integrated, bright green/yellow/red display**
- **Maintains free**

Function

The sensor generates a picture of reflections, based on the ultrasonic distance measurement.
The result will be compared with a stored reference by the sensor and it calculates data based on a complex algorithm.
The data are sent to the zone controller over a serial interface. The zone controller compares the received data with a configured threshold. After taking other factors into consideration, the zone controllers are able to drive the red/green/yellow display in the sensor.
Up to 32 sensors can be connected parallel to another on the same supply and each sensor can be addressed separately. The address is adjusted by a button in the sensor.
If communications to the zone controller are disrupted the sensor can continue to function independently. The sensor measures and displays the current state of the parking space. This means there is an emergency back up if the zone controls break down.
To help read the display, the sensor has five internal LEDs per color

Attachment

The sensor has to be mounted at the end of the parking space and it is suitable for exposed or rail mounting. It is attached using two 4mm screws. To improve recognition of the sensor's display it is also possible to attach it to hanging cable ducts. Separating the sensor into a sensor-module and a connecting-module takes into consideration how things run on the building site. Only the connecting module is necessary to start any electro-mechanic work on site. The sensor-module is connected before operations are started.

Connection

The sensor is connected using a four cone cable (>0,5mm² e.g. telephone cable "J-YY 2x2x0.8"), two cones for the power supply and two cones for the communication. The clearly arranged clamps and the connection with an operating lever provide a fast and error-free wiring. The average cabling cost per sensor is less than 0.5€

Technical Data

Measuring principle:	Ultrasonic-distance-measurement
Size(BxHxT):	100 x 100 x 70 mm
Mounting height:	2,3 bis 3,2 m
Measuring frequency:	41 kHz
Band width:	< 1kHz
Emitting angle:	30°
Brightness:	>5 Cd (pro Farbe)
Voltage:	24 Volt =
Supply:	Sensor: 5 mA, LEDs: 20 mA
Intake :	0,8 Watt (average)
Data communication:	RS485 2-Wire(>0,5mm²)
Operating temperature:	-20℃ to +70℃
Protection:	IP43

Options

- Cable feed through the casing's base.
- Green / blue led colors for handicapped parking spaces
- Third led color (e.g. yellow) for special functions.

Country of origin Germany