

Wireless Space Count

Key Features:

- **Wireless detection**
- **Easy installation without wiring**
- **Efficient car park occupancy measurement and overstay detection**
- **Flexible integration with parking applications**



Wireless space count system to efficiently measure occupancy of individual parking spaces without complex or time consuming installation.

The Nedap Wireless Space Count system is a network of sensors that can be easily mounted in or onto the road surface of a parking space.

Wireless detection

The unique feature of the sensors is its capability to communicate wireless with each other and to a host system.

Easy installation without wiring

Additionally, no power wiring is required. Easy installation of the wireless space count sensors is guaranteed; you just need to mount the sensors into the floor. As the sensor is suitable for floor mounting, the system is suitable for outdoor and indoor applications. In contrast to conventional systems that require wiring throughout the car park and mounting onto the ceiling.

Efficient car park occupancy measurement

The actual status (occupancy) of the sensor is collected by one or more data collectors. The data collector is a control panel that transmits status information

about the sensors to the host system through RS232 or Ethernet. The information can also be used to control relays contacts.

Applications

The system facilitates accurate measurement on occupancy of individual parking spaces in car parks, and on-street parking spaces. This information can be used to guide traffic to free parking spaces but can also be used for on-street parking enforcement and overstay detection. For on-street enforcement the number of occupied parking spaces can be compared with the number of payments realized by the pay station. For overstay detection the system alerts instantly a parking officer to the presence of nearby overstaying vehicles. Based on this information you can exactly determine which space to enforce.



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Specifications



WIRELESS SPACE COUNT SENSOR (SENSIT)

Operating frequency	868.2 MHz (Europe) and 902 – 928 MHz (US)
Dimensions sensor	Magnetic detection and optional additional reflective IR detection Ø 80 mm [3.15 in] and 70 mm [2.8 in] high
Weight	365 gram, 12,87 [oz]
Protection	IP67, completely sealed Housing PE
Colour	Black / Yellow
Operating temperature	-20 ... +85°C [-4...+185°F]
Storage temperature	-20 ... +85°C [-4...+185°F]
Detection height	60 ... 90 cm [23.6 ... 35.5 in]
Communication range	From sensor to sensor at least 10 meters [33 ft], dependent on environment
Power supply	Built-in lithium battery with expected lifetime of 5 years*.
Mounting	Into the floor of a parking space
Part numbers	9889019 SENSIT (Europe) 9898760 SENSIT (US) 9898344 SENSIT IR (Europe) 9898620 SENSIT IR (US)

WIRELESS SPACE COUNT DATA COLLECTOR

Operating frequency	868 MHz (Europe) and 902-928 MHz (US)
Dimensions housing excl. antenna	110 x 65 x 125mm (4.3 x 2.6 x 4.9 in)
Weight	105 gram [0.7 oz]
Protection	IP44
Colour	Grey, according to RAL 7035
Operating temperature	-20 ... +85°C [-4...+185°F]
Storage temperature	-20 ... +85°C [-4...+185°F]
Communication range	From sensor to data collector in principle un-endless as the sensors communicate to each other. The nearest sensor should be positioned within 10 meters [33 ft] of the data collector. It is possible to install multiple data collectors in one parking facility.
Communication interfaces	RJ-45, TCP/IP or SUB-D9, RS232
Humidity	10% ... 90% relative humidity, non condensing I2C interface for future use
Power	Included adapter: 100-240Vac, 50-60 Hz, 180mA.
Power input data collector	5Vdc, max. 1A
Power consumption	5VA
Antenna connection	Antenna included.
Part numbers	9889582 Space Count Data Collector (Europe) 9898590 Space Count Data Collector (US)



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