

SENSIT

Wireless space count sensor

Key Features:

- Magnetic and IR detection
- Easy installation without wiring
- Efficient 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 wireless network of surface mounted sensors (Nodes) designed to recognize vehicle presence within an individual parking space. Ruggedly designed and equally suited for indoor or outdoor installation, The SENSIT features two forms of detection, magnetic & infrared, that combine to produce accuracy rates exceeding 98%.

Wireless detection & communication

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



Foolproof detection

The combined magnetic and infrared detection effectively detect vehicles using a sophisticated algorithm to make the SENSIT invulnerable to snow, dirt and leaves. The dual detection offers performance unmatched in the industry for wireless detection of vehicles.

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



SENSIT

Operating frequency	868.2 MHz (Europe) 902 – 928 MHz (US) 915 – 928 MHz (AUS)
Detection	SENSIT - magnetic detection SENSIT IR - magnetic and additional reflective IR detection
Mounting	Into the floor of a parking space
Mounting dimensions in the floor	Ø 78 mm [xxxin] and 53 mm [xxx in] high
Weight	365 gram, 12,87 [oz]
Protection	IP67, completely sealed Housing PE
Colour	Default black (optional 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 distances	From SENSIT node to SENSIT node max. 10 meters [33 ft] From SENSIT node to Data Collector max. 25 meters [82 ft]
Power supply	Built-in lithium battery with expected lifetime of 5 years*.
Part numbers	9889019 SENSIT (Europe) 9898760 SENSIT (US) 9898344 SENSIT IR (Europe) 9898620 SENSIT IR (US)
Documentation	SENSIT_InstallGuide



*under normal usage and normal circumstances. Battery lifetime is not affected by the number of times the tag is read or RF fields from other sources

Represented By:



Parking Solutions

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