Outdoor Parking Hi Accuracy Geomagnetic Sensor Model D1015L/N
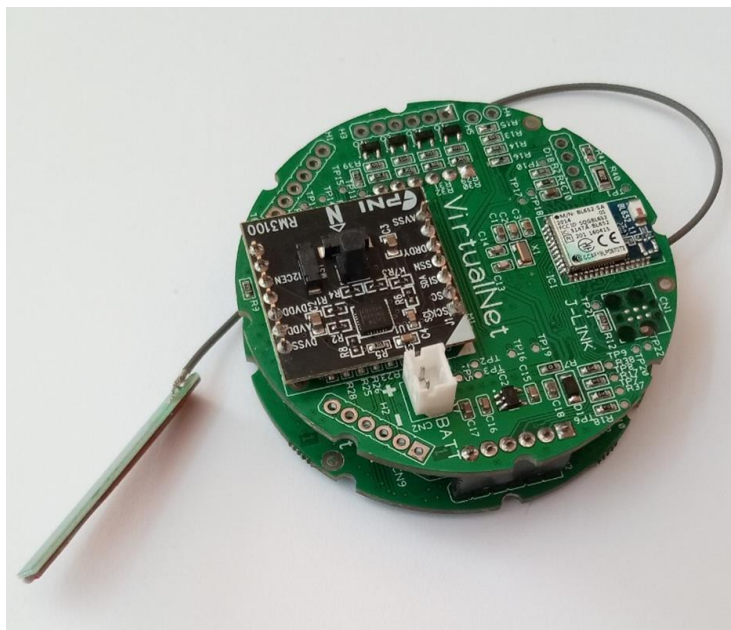
KEY FEATURES

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high detection efficiency

competitive price

ease of assembly

system customization possibilities

no impact of atmospheric conditions on detection efficiency

high resistance to vandalism

an extensive data analyst

Wireless sensors, battery life - 5 years

D1015 L

- frequency 868- 870 MHz EU Standard , Lora Wan
- detection method: Hi accuracy Geomagnetic sensor
- Bluetooth 5.0 For Beacon Detection
- weight: 88 g,
- dimensions: 92,1 mm x 97,1 mm
- colour: Black,
- Case: IP68,
- operating temperature for optimum battery consumption - 20 - +60o C,
- maximum and minimum operating temperature - 41 - + 81o C,
- Output Power: up to 14 dBm adjustable
- the communication range with base station: to 500m,
- power: replaceable lithium battery 24,5 AH,
- battery life: 5-8 years,
- Communication: Single or bidirectional communication
- network: LoRaWAN™ **Model D1015L**
- detection performance ~ 99%,
- warranty 2 years
- CE declaration

D1015 N

- NB IOT BAND: B1/B3/B5/B8/B20/B28 Bands working with Vodafone
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The device is mounted directly in the surface of the parking space. Installation consists of hollowing the hole, placing the sensor and filling the free surface with a special silicone mass. Assembly is possible both in concrete cube and asphalt. There is also a sensor version glued to the car park surface. It applies when mounting inside the surface is forbidden due to the risk of losing the guarantee of its construction.

LoRa Network

LoRaWAN™ is a Low Power Wide Area Network (LPWAN) specification intended for wireless battery operated Things in a regional, national or global network. LoRaWAN targets key requirements of Internet of Things such as secure bi-directional communication, mobility and localization services. The LoRaWAN specification provides seamless interoperability among smart Things without the need of complex local installations and gives back the freedom to the user, developer, businesses enabling the roll out of Internet of Things.

This standards-based approach to building a LPWAN allows for quick set up of public or private IoT networks anywhere using hardware and software that is bi-directionally secure, interoperable and mobile, provides accurate localization, and works the way you expect. The LoRa base station allows simultaneous connection with up to several thousand devices within reach. The device is based on high quality IMST board and Open Source software. This makes it easy to customize. The device is easy to assemble and immediately after connecting it starts by itself.

The additional benefit of using the LoRa network in DGS outdoor Parking Guidance System is that it can be used also with other IoT systems such as air quality control system, building management system or lighting management system.

NB IOT Network

The NB-IoT technology offers lower energy consumption. This allows a longer energy autonomy of the connected sensors & devices, which can last up to 8 years with only one charge.
It can provide reliable and strong coverage even when devices are located in basements or below the ground.
Working with Vodafone.

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