

Bi-directional communication & triple detection technology

CommuniThings sensor leverages triple detection technology, capable of supporting a host smart parking use cases : limited parking duration - « blue zone », « shop&go », parking for disabled persons, residential zones, and more. The sensor supports bi-directional communication with a user through mobile app or smart-tag.

Key Features

- Bi-directional communication between sensor and user through mobile app or smart-tag
- High protection against mechanical and chemical influences
- Dashboard alarm in case of failing sensor
- 2 years field replaceable battery life
- LoRa, LoRaWAN, NB-IoT compliant

Triple Detection Technology

- 1 Ultrasound
- 2 Infrared
- 3 Magnetic



COMMUNITHINGS Surface Sensor - Specifications

CommuniThings provides rich smartparking solutions including sensors, dashboard, steward interface and mobile app.

Communication

- LoRa, LoRaWAN, NB-IoT
- 868 Mhz (EU), 902-928 MHZ (US), AS923 and AU915 (Aus, NZ), IL915-917 (Israel)
- Wireless Software updates

Installation

- Surface installation
- Screwed in the ground and glued

Mechanical and environmental properties

- Anti-vandalism
- Load resistance : heavy traffic
- Protection grade : IP68
- Resistance to mechanical influences from vertical and horizontal forces : heavy vehicles/trucks, snow plough with variable force
- Resistance to chemical influences : oil, fuel, salt for snow removal
- Alarming on dashboard in case of sensor failing
- Humidity range : 0 to 95%
- Operating temperature : - 40°C to + 85°C

Battery Life Time

- Replaceable Lithium Battery
- 2 years under normal traffic usage

Various

- Width \varnothing : 229 mm - Height : 51 mm
- Color Black
- Material : PA with high resistance and rigidity characteristics
- 1024 kb EEPROM

Detection

- Triple detection technology - ultrasound, infrared, magnetic
- Better than 98 % detection

