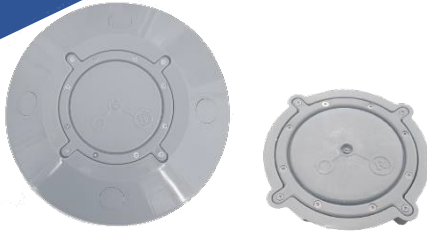# SMART PARKING SENSOR S-LG-I3 (NB-IoT)
WITH TRIPLE DETECTION TECHNOLOGY

C I C I C 🌐 M

LoRa Alliance Member

S-LGI3 accurately detects parking events and filters out magnetic interference using triple detection technology. Sensors and algorithms are tuned for ultra-low power consumption, providing continuous vehicle detection and complete monitoring of parking spots.

Battery life up to 7 years*

OTA firmware update and settings customization

Parked vehicle identification via portable tag pairing

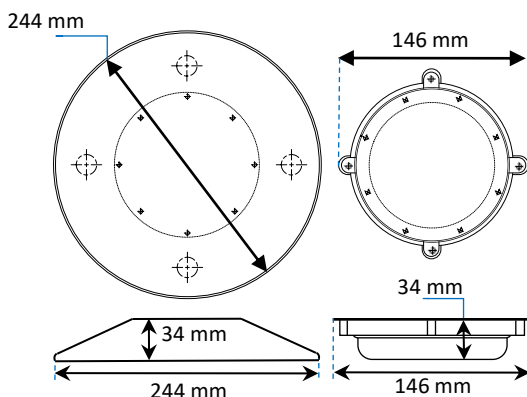Highly configurable through downlink commands and a mobile app

Detection sensors failure alert
Sound alert for system errors

The sensor transmits data every time the parking spot becomes occupied or vacant and on configurable intervals thereafter. The sensor informs about the current occupancy status, battery voltage and temperature in each message sent.

*Battery life depends on environmental conditions, use and network conditions (such as signal quality and possible disconnections), considering an average of 20-30 messages per day using NB-IoT communication.

KEY FEATURES

- Accurate real-time vehicle detection using magnetic sensor, motion detection and 60GHz radar technology.
- Sensor auto-calibration on frequent intervals
- System error and status logging
- Surface mount, in-ground or flush mount
- In-ground model installation using epoxy or flush mount with easily removable core
- Operating temperature: -40°C to 85°C
- Relative humidity: up to 100%
- Mobile App, available for integration and testing process, enables OTA firmware update via BLE, parameter configuration and functionality testing
- Vehicle identification applicable for handicapped and resident parking spots
- Cicicom violation monitoring platform ready

NB-IoT SPECIFICS

- Frequency bands: B1, B3, B5, B8, B20, B28
- Long range coverage (Tx: 23dBm±2.7dB)
- Supports IPv4 and IPv6
- Supports UDP and MQTT communication protocols
- Supports CoAP / CoAP over DTLS
- Supports 3GPP Release 15

SENSOR DRAWING

244 mm

146 mm

34 mm

34 mm

244 mm

146 mm

Surface mount

Flush mount

CERTIFICATIONS

- CE Red
- IK10
- IP68/IPx9K

IK10 RATED   IP68 RATED   IPx9K RATED

CE

2024 The Smart City PRODUCT of the YEAR