SMART PARKING SENSOR S-LG-I3 (LoRaWAN) WITH TRIPLE DETECTION TECHNOLOGY

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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 10 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 and use. Under average circumstances, an average of 15 messages per day using LoRa-WAN communication with SF9 and normal environmental conditions

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 or flush mount (in-ground)
- Surface/flush mount with easily removable core
- LoRaWAN compatible
- Operating temperature: -40°C to 85°C
- Relative humidity: up to 100%
- Vehicle identification applicable for handicapped and resident parking spots
- Mobile App, available for integration and testing process, enables OTA firmware update via BLE, parameter configuration and functionality testing

LoRaWAN SPECIFICS

- LoRaWAN Device class A
- Long range coverage (Tx: 14dBm)
- Adaptive data rate (ADR)
- Frequency bands: EU868 MHz (EU)
- Input Sensitivity: -146 dBm (EU)
- Available for LoRa-WAN v.1.0.1 / v.1.0.2

SENSOR DRAWING

244 mm

146 mm

113 mm

34 mm
244 mm

34 mm
146 mm

31 mm
113 mm
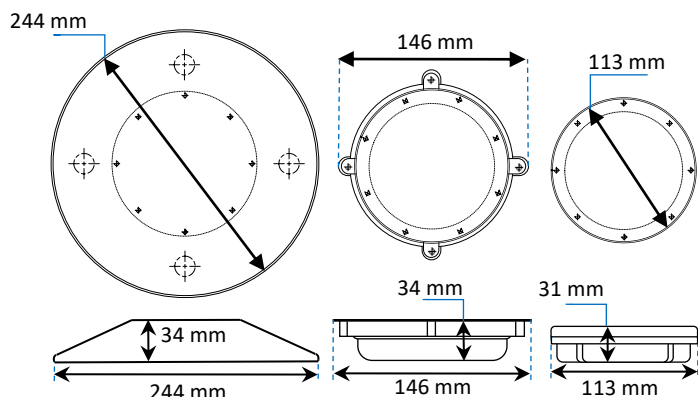
Surface mount

Flush mount

CERTIFICATIONS

- CE Red
- IK10
- IP68/IPx9K
- LoRaWAN Alliance Certified

IK10 RATED | IP68 RATED | IPx9K RATED | 2024 The Smart City PRODUCT of the YEAR

CE | LoRaWAN CERTIFIED