

Sigfox Parking Lot Sensor WSSFC-PKS

SKU: WSSFC-PKS

Doc No: WSSFC-PKS-DS-EN-10

Introduction

WSSFC-PKS is a Sigfox Parking Lot Sensor to detect occupancy of parking lot for Smart City, Smart building projects. The combination of Radar and magnetic technologies allow high accuracy with ultra-low power consumption. With robust design it can withstand up to 6 tons load and IP68 protection in case of flooding. With 2 x AA battery 3.6V it can run for 7-10 years in case 9 cars passed a day. It can supports all regions of Sigfox network in over the World, RC1, RC2, RC3, RC4, RC5, RC6, RC7.

- Self-learning algorithm with Radar and Magnetic technology;
- No maintenance and calibration at site required;
- Special internal antenna design;
- Easy Installation;
- IP68 rating;
- 7-10 years battery life with Popular battery type (LiSOCI2);
- Bluetooth V4.2 connection for configuration and FW upgrade;
- Tamper detection;
- Magnetic switch for manual triggering;
- Sigfox Ready;

Typical Applications

- Parking lot Occupancy detection for Outdoor parking;
- Parking lot Occupancy detection for Indoor parking.

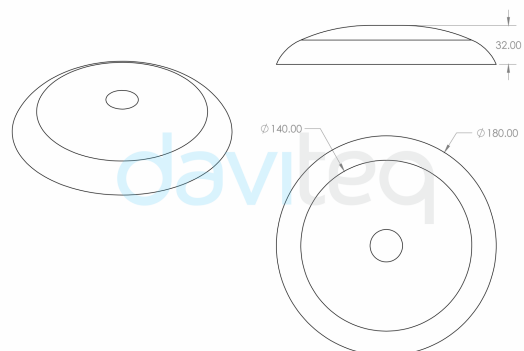
SIGFOX PARKING LOT SENSOR WSSFC-PKS



WSSFC-PKS-H1.PNG



DIMENSION DRAWING OF WIRELESS SENSOR (Unit: mm)



WSSFC-LPG-H2.PNG




Specification

| | |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sensor technologies | Radar and Magnetic sensors with Self-learning algorithm |
| Detection accuracy | >= 98% |
| Tamper detection sensor | Magnetic type |
| Manual triggering button | Magnetic key, to trigger manual data sending |
| Bluetooth communication | Bluetooth V4.2 for Configuration, Diagnostic and FW upgrade |
| Data sending | <ul style="list-style-type: none"> * When state changing from vacant to occupied and vice versa * In pre-defined interval for heartbeat checking * When magnetic button is keyed |
| Sigfox zones | select RC1 to RC7 |
| RF Power | Max Sigfox Class 0, max +23.5 dbm, configurable |
| Antenna | Special Internal Antenna Design for High efficiency |
| Configuration & FW upgrade | via offline USB cable (PC software is supplied at free) or Bluetooth (via mobile app) |
| Battery | 02 x AA Type 3.6VDC LiSOCI2, battery life 7-10 years with 9 cars passed a day |
| RF Module complies to | CE, FCC, ARIB |
| Working temperature and humidity | -40°C..+85°C, 0-100% RH |
| Dimensions | H32xD180 |
| Net-weight | < 300 grams |
| Housing | PA6-35GF, IP68 |
| Weight load | max 6 tons |
| Mounting Method | Surface mount by Glue (included in accessories package) |
| Accessories for installation | Complete accessories package is included |

Ordering Code

| Item code | Descriptions |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WSSFC-PKS-9-01 | SIGFOX PARKING LOT SENSOR, RADAR & MAGNETIC PRINCIPLE, TAMPER DETECTION, MAGNETIC SWITCH, BLUETOOTH 4.2, IP68, INCLUDED 2 X AA 3.6V BATTERIES, -40 .. + 85C, RC2-RC3-RC4-RC5 ZONES |
| <i>* Please specify the RC zone when ordering</i> | |

 [Link for full datasheet:](#)

 [Link for manual:](#)



Daviteq Technologies Inc



www.daviteq.com



info@daviteq.com

🕒 Revision #7

★ Created Sun, Feb 21, 2021 10:20 PM by [Lộc Vĩnh Nguyễn](#)

✎ Updated Mon, Feb 22, 2021 1:57 AM by [Kiệt Anh Nguyễn](#)