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.

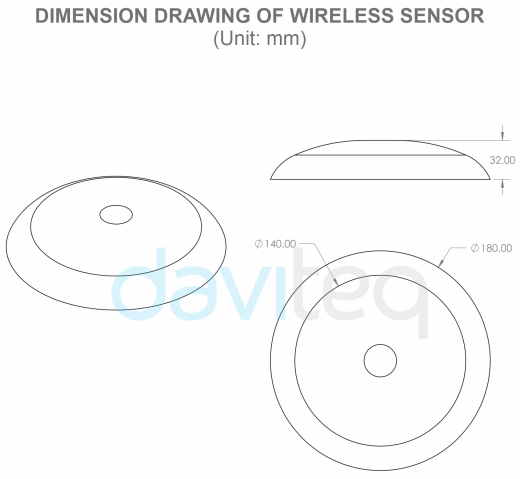
- Self-learning algorithm with Radar and Magnetic technology;
- No maintenance and calibration at site required;
- Special internal antenna design;
- Easy Installation;
- IP68 rating;
- 7-10 years battery life with Popular battery type (LiSOCl2);
- Bluetooth V4.2 connection for configuration and FW upgrade;
- 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.



WSSFC-PKS-H1.PNG



WSSFC-LPG-H2.PNG



WSSFC-PKS-H3.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	* 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 LiSOCl2, 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
** Please specify the RC zone when ordering*	

⚠ Link for full datasheet:

⚠ Link for manual:

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