Sigfox Lidar People Counter

Smart Building, Smart City, Smart Facility, Smart Retail

SKU: WSSFC-LPC

Safe Zone

Hazardous Zones

The WSSFC-LPC is a Sigfox sensor that is equipped with an advanced Lidar sensor designed to count people in two directions. It provides an accuracy rate of over 95% in people counting and is not significantly affected by temperature, humidity, RF noise, and ambient light. With an ultra-low power design and smart firmware, the wireless and sensor package can run on AA batteries (1.5V) for many years. The sensor is compatible with all regions of the Sigfox network, including RC1, RC2, RC3c, and RC4.

Typical applications of the WSSFC-LPC include people counting in public toilets, stores, shops, and other similar spaces.

Applications

Facility Monitoring, Safety Monitoring

Notes For Applications

- It counts one person at a time. For indoor only. Floor color must be bright;
- Gate width max 1500mm;
- Gate height from 2000 to 3500mm;
- Walking speed < 1.38 m/s (5 km/h);

Sigfox Ready
Device are best operating performance on the SIGFOX network

High Accuracy & Stable
High accuracy counting by Lidar

Distinguish people in and out
Smart software and built-in sensors can distinguish people from entering and leaving accurately

5-Year battery
Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology allow the sensor can operate for years with AA batteries 1.5VDC

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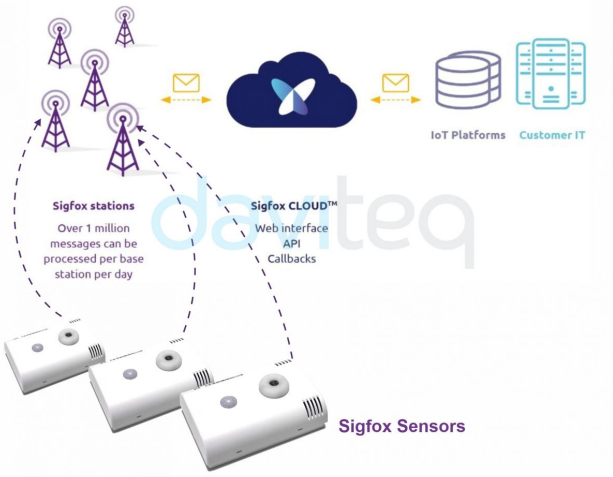
Specification

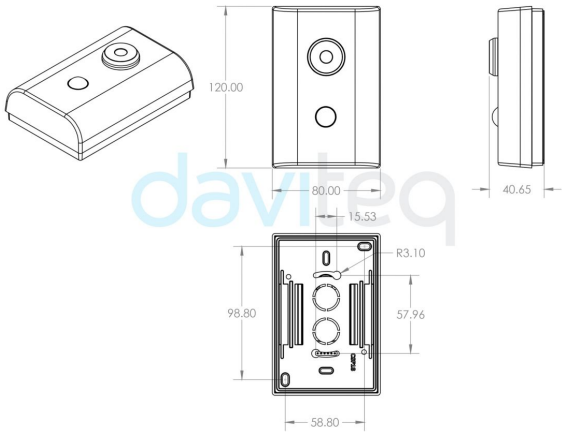
Sensor technology	Lidar
Gate height	2.2~4.0m
Gate width	0.75~1.5m
Detection cone	27°
Working temperature	-40~60℃
Working humidity	0~100% RH, non-condensing
COMMUNICATION	
Sigfox zones	RC1~RC7
Functions	Sending data in interval or when alarms occur
Antenna	Internal Antenna 2.0 dbi
Configuration	via Downlink of offline USB cable (PC software is supplied at free)
Power Supply	6 x Batteries AA Type 1.5VDC (not included)
RF Module complies to	CE, FCC, ARIB
Working temperature	-40~60℃ (with Lithium Ultimate AA battery)
Dimensions	H120xW80xD45
Net-weight	< 150g
Housing	Self-extinguisher ABS, Dust and vapor protection
Mounting	Ceiling mount

SYSTEM ARCHITECTURE



WSSFC-LPC-H3.JPG

DIMENSION DRAWING OF WIRELESS SENSOR
(Unit: mm)



WSSFC-LPC-H4.JPG

RECOMMENDED BATTERIES

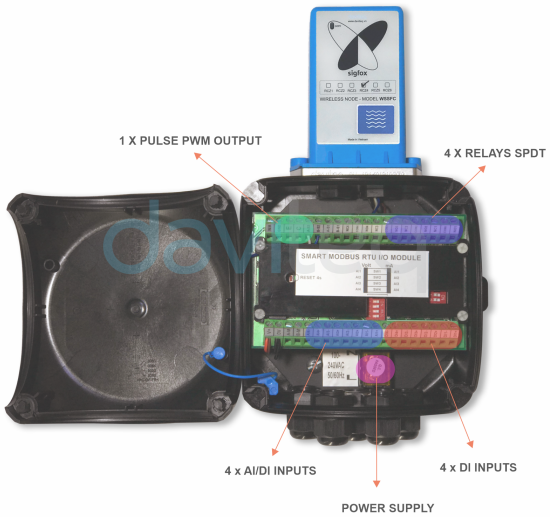
E91 AA Alkaline battery	L91 AA Lithium battery
-18 .. + 60 oC working temperature	-40 .. + 60 oC working temperature
10-year shelf life	20-year shelf life
3000 mAH Capacity	3500 mAH Capacity
Price: 1X	Price: 3.5X

WSSFC-LPC-H5.JPG

SMART AGRICULTURE / SMART FARM / ENVIRONMENTAL MONITORING

WSSFC-IO-H6.PNG

INTERNAL WIRING



WSSFC-IO-H7.PNG

USB-RS485 CONFIGURATION CABLE

WSSFC-IO-H8.PNG

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Ordering Information

ITEM CODES	DESCRIPTIONS
WSSFC-LPC-01	Sigfox Lidar People Counter, Internal Antenna, Type AA Battery 1.5VDC, IP20, for all RC zones