

LoRaWAN Lidar People Counter



Smart Building, Smart City, Smart Facility, Smart Retail

SKU: WSLRW-LPC

Safe Zone

Hazardous Zones

LoRaWAN LIDAR PEOPLE COUNTER WSLRW-LPC

LoRaWAN



WSLRW-LPC-H1.JPG

The WSLRW-LPC is a LoRaWAN sensor with a built-in advanced LIDAR sensor that can count people in two directions with an accuracy of over 95%. The sensor is not affected by temperature, humidity, RF noise, and is less affected by ambient light. Its ultra-low power design and smart firmware allow the complete wireless and sensor package to run on AA batteries (1.5V) for many years. The sensor can transmit data for kilometers to any LoRaWAN gateway brand on the market.

Typical applications for this sensor include people counting for public toilets and for stores and shops.

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);

- LoRaWAN communication**
LoRaWAN communication standard to allow sensor connect to any LoRaWAN Gateway on the market
- > 95% Accuracy**
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

People Counter for Store, Shop...



WS433-LPC-H2.JPG

DAVITEQ TECHNOLOGIES INC

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Created date: Dec-21-2022

Updated date: Aug-28-2024

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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°C
Working humidity	0~100% RH, non-condensing
COMMUNICATION	
SF Factor	SF7~SF12
Antenna	Internal antenna 2.0dbi
Power Supply	6 x Batteries AA Type 1.5VDC (not included)
RF Frequency and Power	860~930MHz, 14~20dBm, configurable for zones: EU868, IN865, RU864, KR920, AS923, AU915, US915
Protocol	LoRaWAN, class A
Data sending modes	Interval time and when alarm occurred
RF Module complies to	ETSI EN 300 220, EN 303 204 (Europe) FCC CFR47 Part15 (US), ARIB STD-T108 (Japan)
Working temperature	-40~60°C (with Lithium Ultimate AA battery)
Dimensions	H120xW80xD45
Net-weight	< 150g
Housing	Self-extinguisher ABS, Dust and vapor protection
Mounting	Ceiling mount

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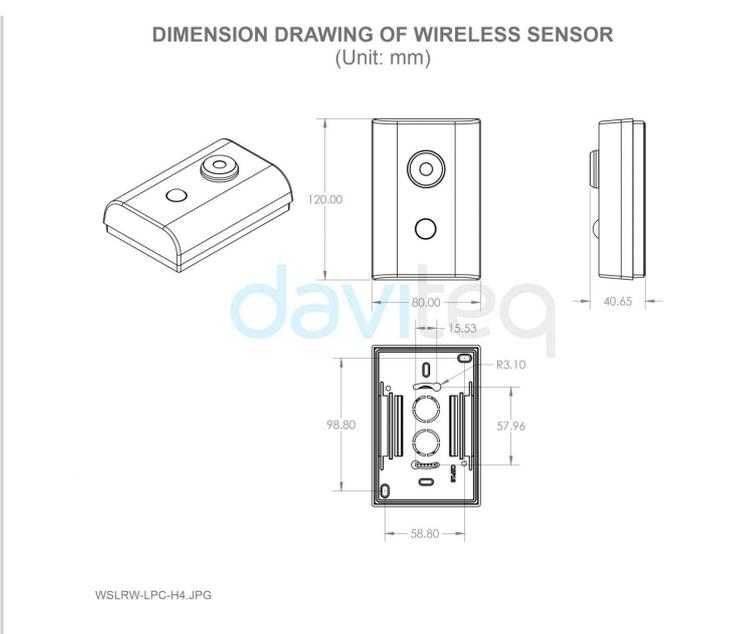
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RECOMMENDED BATTERIES

E91 AA Alkaline battery

-18 .. + 60 oC working temperature
10-year shelf life
3000 mAh Capacity
Price: 1X

L91 AA Lithium battery

-40 .. + 60 oC working temperature
20-year shelf life
3500 mAh Capacity
Price: 3.5X

WSSFC-LPC-H5.JPG

RECOMMENDED BATTERIES FOR LoRaWAN SENSOR

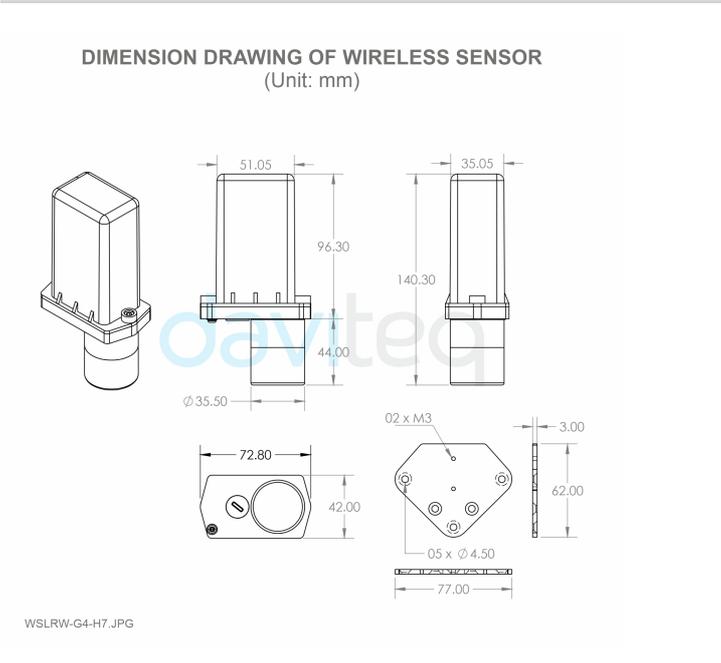
E91 AA Alkaline battery

-18 .. + 60 oC working temperature
10-year shelf life
3000 mAh Capacity
Price: 1X

L91 AA Lithium battery

-40 .. + 60 oC working temperature
20-year shelf life
3500 mAh Capacity
Price: 3.5X

WSLRW-G4F-NH3-H6.JPG



RECOMMENDED BATTERIES FOR LoRaWAN SENSOR

E91 AA Alkaline battery

-18 .. + 60 oC working temperature
10-year shelf life
3000 mAh Capacity
Price: 1X

L91 AA Lithium battery

-40 .. + 60 oC working temperature
20-year shelf life
3500 mAh Capacity
Price: 3.5X

WSLRW-G4-H8.JPG

Ordering Information

ITEM CODES	DESCRIPTION
WSLRW-LPC-01	LoRaWAN Lidar People Counter, internal antenna, AA battery 1.5VDC, IP20, 860-930MHz for all Regions

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