

Sigfox AC Current Sensor



Smart Agriculture, Smart Building, Smart City, Smart Energy, Smart Facility, Smart Factory, Smart Farm, Smart Retail, Smart Utilities

SKU: WSSFC-AC

✓ Safe Zone

○ Hazardous Zones

SIGFOX AC CURRENT SENSOR WSSFC-AC



WSSFC-AC is a wireless Sigfox-ready sensor with 1-channel AC current input 5A to measure the AC current load of your motors, machines...to count the energy consumption, OVER-load or NO-load detection, run hour counting... With Ultra-low power design and smart firmware allow the complete Wireless and Sensor package run on 2 x AA battery up to 10 years. It can support all regions of Sigfox network in over the World, RC1, RC2, RC3c, RC4, RC5, RC6, RC7. Typical applications: Monitoring energy consumption, monitoring power supply, monitoring machine health, monitoring machine uptime,...

Applications

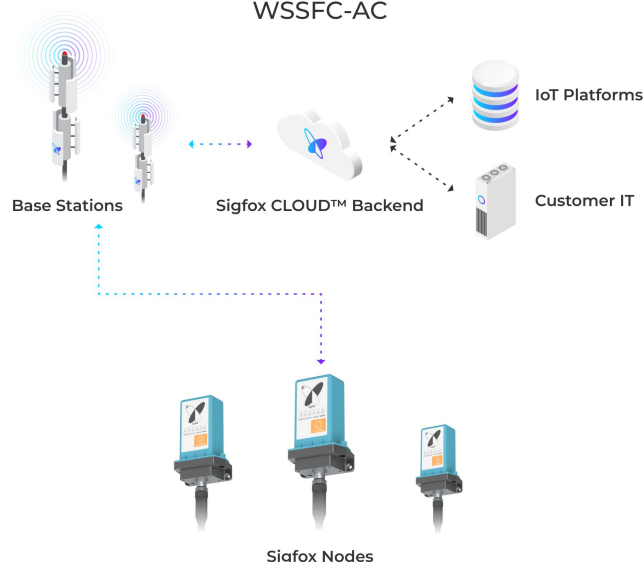
Condition Based Monitoring, Machine Health Monitoring, Safety Monitoring, Energy Monitoring, Production Monitoring

Notes For Applications

Range: Match the module to your expected current range. Accuracy: Choose high precision for reliable readings. Sensor Type: CT for high current, Hall for AC/DC, shunt for low current. Output: Ensure compatibility (analog/digital) with your system. Isolation: Prioritize safety with electrically isolated modules. Fit: Consider size, mounting, and environmental conditions.

- ✓ **Sigfox-Ready**
Support RC1, RC2, RC3c, RC4, RC5, RC6, RC7.
- ✓ **10-Year battery**
Ultra-low power sensing technology from Daviteq with Ultra-low power wireless technology allow the sensor can last up to 10 years with 2 x AA batteries 1.5VDC
- ✓ **Connect any 5A Current Transformers**
Allows to setup the ratio of current transformer
- ✓ **High precision and stability**
Sensor with smart software provides high accuracy and stability

SIGFOX AC CURRENT SENSOR WSSFC-AC



SYSTEM ARCHITECTURE

DAVITEQ TECHNOLOGIES INC

Ho Chi Minh City, VN | Koblenz, DE | Melbourne, AU | Zurich, CH

+84.28.6268.2523 / 6268.2524

info@daviteq.com

www.iot.daviteq.com

Created date: Dec-21-2022

Updated date: Nov-08-2025

Specification

Measuring range	0~5A AC
Accuracy	1.0%
Resolution	10 -bit
Temperature Drift	50 ppm per°C
Electrical connection	cable 0.5m with crimping connectors for easy connection to the CT
COMMUNICATION	
Sigfox zones	select RC1~RC7
Antenna	Internal Antenna 2 dbi
Configuration	via offline USB cable (PC software is supplied at free) and via Downlink
Battery	02 x AA Type 1.5VDC, working time up to 10 years (depends on configuration) ** 7 years working with 30 minutes update, RC4, 1 x transmit
RF Module complies to	CE, FCC, ARIB
Working temperature	-40~60°C (using Energizer® Lithium Ultimate AA battery)
Dimensions & Net-weight	H107xW73xD42, 190g
Housing	Aluminum + Polycarbonate, IP67
Mounting	Wall mount bracket

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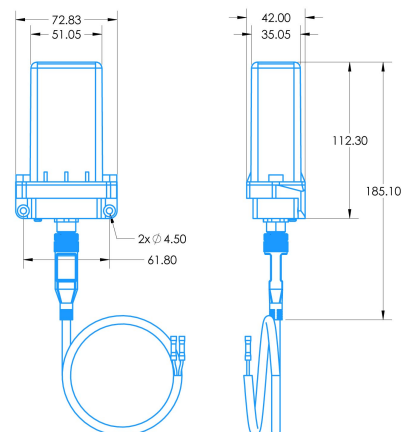
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SIGFOX AC CURRENT SENSOR WSSFC-AC



E91 AA
Alkaline battery

-18~60°C working temperature
10-year shelf life
3000 mAh capacity
Price: 1X

Energizer

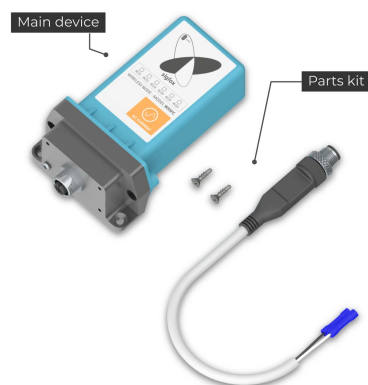


L91 AA
Lithium battery

-40~60°C working temperature
20-year shelf life
3500 mAh capacity
Price: 3.5X

RECOMMENDED BATTERIES
POWERED BY PRIMARY BATTERY

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Ordering Information

ITEM CODE	DESCRIPTIONS
WSSFC-AC-11	SIGFOX-READY AC CURRENT SENSOR, 1-CHANNEL MAX 5A, IP67, BATTERY AA 1.5VDC, CABLE 0.5M LENGTH WITH CRIMPPING CONNECTORS FOR CT