

EVA-2510

LoRaWAN Wireless Water Leakage Sensor

Preliminary



Features

- LoRaWAN wireless connectivity
- 3.5mm water line diameter
- Battery life up till 5 years@25 °C, 15mins interval setting
- Easy to deploy and maintain

Introduction

EVA-2510 is a water leak detection sensor, can be used in cooling system, water treatment system, etc. It can reduce the risk by alerting you to problems quickly so you can act to prevent severe damage. With its wide range, high penetration rate LoRa connectivity, the data transmission range can be up to hundred or thousand meters away. EVA-2510 can be installed directly on the walls, metal box or poles. EVA-2510 is powered by 2 AA 3.6V Li-ion batteries, battery life can be up to 5 years based on certain conditions.

Common Specification

Wireless Communication

- **Frequency Band** EU 863-870 (MHz) / US 902-928 (MHz) / AU 915-928 (MHz) / AS 919-924 (MHz)
- **Spreading Factor** 7~12
- **Transmit Power** Up to 20dBm
- **Topology** Star (LoRa/LoRaWAN)
- **Sensitivity** -148dB

General

- **Power Input** 3.6V AA Battery *2pcs (Not included)
- **Battery Life** 5 years@25 °C, 15mins interval setting
- **LED Indicator** Power on, TX, reset to default
- **Configuration Interface** Wireless downlink commands
- **IP Class** IP30
- **Mounting** Wall, Magnetic, Pole
- **Dimension (H x W x D)** 112 x 51 x 71.5 mm
- **Certification** CE (RED), FCC, TELEC, RCM, NCC

Environment

- **Operating Temperature** -20°C to 55 °C
- **Operating Humidity** 0% ~ 90% RH
- **Storage Temperature** -40°C ~ 85°C
- **Storage Humidity** 0% ~ 90% RH

Water Leak Sensor

- **Water Line Diameter (max)** 3.5mm
- **Water Line Length** 1000mm (±10mm)
- **Water Line Flame Resistance Rating** VW-1
- **Water Line Length Limit** 300m (theoretical value)

Ordering Information

LoRaWAN Water Leakage Sensor

- **EVA-2510-NA** LoRaWAN Water Leakage Sensor - US 902-928 (MHz)
- **EVA-2510-EA** LoRaWAN Water Leakage Sensor - EU 863-870 (MHz)
- **EVA-2510-TA** LoRaWAN Water Leakage Sensor - AS 919-924 (MHz)
- **EVA-2510-ZA** LoRaWAN Water Leakage Sensor - AU 915-928 (MHz)

LoRaWAN Gateway

- **WISE-6610-N100-A** LoRaWAN gateway supports up to 100 nodes with 915 MHz
- **WISE-6610-E100-A** LoRaWAN gateway supports up to 100 nodes with 868 MHz
- **WISE-6610-A100-A** LoRaWAN gateway supports up to 100 nodes with 923 MHz

Accessories

- ***1760002647-01** Bat.Cylindrical 3.6V/2500mAh AA Li/SOCI2

*One EVA sensor needs 2 batteries.