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

CE FCC RoHS COMPLIANT 2002/95/EC

Introduction

EVA-2510 is a water leak detection sensor, can be used in cooling system, water treatement system, etc. It can reduce the risk by alerting you to problems quickly so you can act to prevent severe damage. With it's wide range, high penastrationrate LoRa connectivity, the data transmission range can up till hundred or thousand meters away. EVA-2510 can be installed directly on the walls, metal box or poles. EVA-2510 ispowered by 2 AA 3.6v Li-ion batteries, battery life can up till 5 years basing on certain condition.

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

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/SOCl2

*One EVA sensor need 2 batteries.