LoRaWAN Water Leak Sensor

LWL04

OVERVIEW:

The Dragino LWL04 is a LoRaWAN Water Leak Sensor. When there is water between the two metal probes, LWL04 indicates a water leak event and uplink to IoT server via LoRaWAN network.

The Dragino LWL04 does not need to be fixed and only needs to be placed on the ground. It has three probes which can be adjusted the height at the bottom. As long as two probes come into contact with water, a short circuit alarm will occur.

LWL04 can be activated from the bottom of the housing with a magnet, and the light will indicate when the magnet is close. Its main unit has a sealing ring, which can achieve IP65 waterproof.

LWL04 is powered by CR123A non-rechargeable battery and target for long time use, these batteries can provide about 16,000 ~ 70,000 uplink packets, which result in 2 ~ 10 years battery life. After battery running out, user can easily open the enclosure and replace with CR123A batteries.

The LWL04 will send periodically data every day as well as for each water leak event. It also counts the water leak times and calculate last water leak duration. User can also disable the uplink for each water leak event, instead, device can count each event and uplink periodically.

Each LWL04 is pre-load with a set of unique keys for LoRaWAN registration, register these keys to LoRaWAN server and it will auto connect after power on.

Features:

- LoRaWAN v1.0.3 Class A
- Water Leak detect
- IP65 waterproof
- CR123A 1500mAh batteries
- Downlink to change configure
- AT Commands to change parameters
- Support wireless OTA update firmware
- Uplink on periodically and water leak event
- Bands: CN470/EU433/KR920/US915/EU868/AS923/AU915/IN865/RU864

Applications:

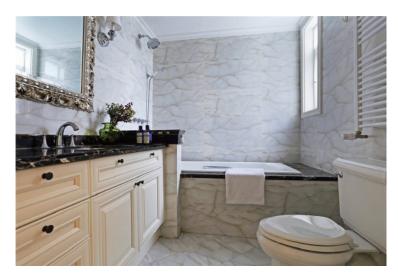- Smart Factory
- Smart Buildings & Home Automation

Order Info: LWL04-XXX

XXX: The default frequency band

- XXX: Frequency Bands, options: EU433, CN470, EU868, IN865, KR920, AS923, AU915, US915

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