LoRaWAN Water Leak Sensor

LWL01

OVERVIEW:

The Dragino LWL01 is a LoRaWAN Water Leak Sensor. It detects the water leak status and send it to LoRaWAN network. The LWL01 is small sensor, the dimension is as small as 64 x 30 x 14 mm.

LWL01 is powered by a CR2032 coin battery, in a good LoRaWAN Network Coverage case, it can transmit as many as 12,000 uplink packets (base on SF7, 14dB). in poor LoRaWAN network coverage, it can transmit ~ 1,300 uplink packets (base on SF10, 18dB). The design goal for one battery is up to 2 years. User can easily change the CR2032 battery for reuse.

The LWL01 will send periodically data every day as well as for water leak event. It also count the water leak event times and also calculate last water leak duration.

Each LWL01 is pre-load with a set of unique keys for LoRaWAN registration, register these keys to local LoRaWAN server and it will auto connect after power on.

Applications:

- Smart Buildings & Home Automation
- Logistics and Supply Chain Management
- Smart Metering
- Smart Agriculture
- Smart Cities
- Smart Factory

Features:

- LoRaWAN v1.0.3 Class A
- SX1262 LoRa Core
- Water Leak detect
- CR2032 battery powered
- AT Commands to change parameters
- Bands: CN470/EU433/KR920/US915
- EU868/AS923/AU915/IN865
- Downlink to change configure
- Uplink on periodically and water leak event

Order Info- LWL01-XX

XX:

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

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