

# LoRaWAN Water Leak Sensor

**LWL02**



## OVERVIEW:

The Dragino LWL02 is a [LoRaWAN Water Leak Sensor](#). When there is water between the two metal probes, LWL02 indicates a water leak event and uplink to IoT server via LoRaWAN network.

LWL02 is powered by [2 x AAA batteries](#) and target for long time use, these two 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 2 common AAA batteries.

The LWL02 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 LWL02 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:

- SX1262 LoRa Core
- Water Leak detect
- 2 x AAA batteries
- LoRaWAN v1.0.3 Class A
- Downlink to change configure
- AT Commands to change parameters
- Firmware upgradable via program port
- Uplink on periodically and water leak event
- Bands: CN470/EU433/KR920/US915/EU868/AS923/AU915/IN865/RU864

## Applications:

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

## Order Info: LWL02-XXX

XXX:

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

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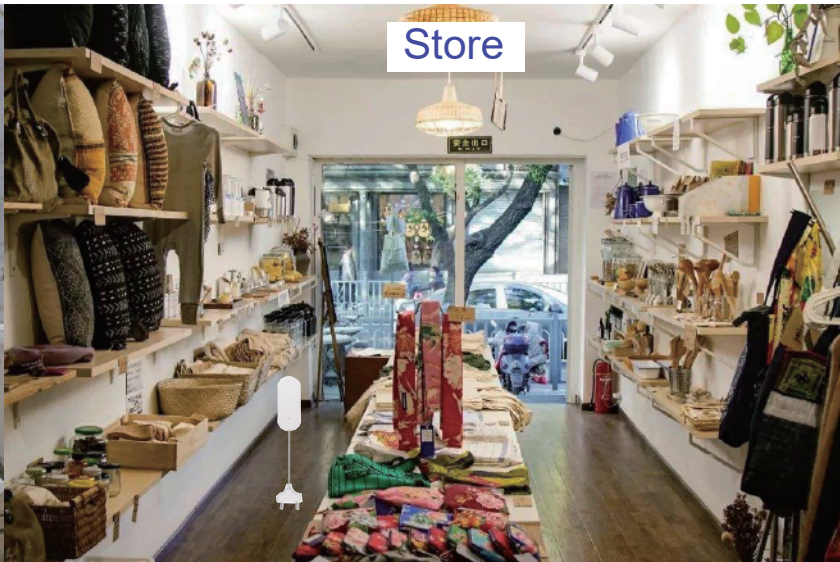
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# Water Leak Installation Environments

Washing Room



Store



Kitchen



Heating

