

# Datasheet

LoRaWan Water Leakage Sensor  
Part Number: AEDGHWL0101



# 1. Overview

AEDGHWL0101 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.

AEDGHWL0101 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.

AEDGHWL0101 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 AEDGHWL0101 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.

## 1.2 Specification

- Dimension: 64 x 30 x 14 mm
- LoRaWAN v1.0.3 Class A
- SX1262 LoRa Core
- Water Leak detect
- CR2032 battery powered
- Bands: CN470/EU433/KR920/US915/EU868/AS923/AU915/IN865
- AT Commands to change parameters
- Uplink on periodically (heartbeat) and water leak event
- Downlink to change configure



## 2. Warning

Assumes no liability for any damage resulting from the use of this product. CHINOTECH INTERNATIONAL LIMITED reserves the right to change this data sheet at any time without notice. The information furnished by ChinoINT is believed to be accurate and reliable. However, no responsibility is assumed by ChinoINT for its use, not for any infringements of patents or other rights of third parties resulting from its use.

## 3. Product Warranty and Customer support

ChinoINT warrants all products free from defects in material and workmanship for a period of one year from the date of shipping. During the warranty period, we will, at our position, either repair or replace any product that proves to be defective. To report any defect, please inquiry [sales@chinoint.com](mailto:sales@chinoint.com)

Unauthorized opening and improper repairs on the device may result in substantial damage to equipment or endanger the user. The product described in this documentation may be operated only by personnel qualified. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products. Always disconnect the power plug before you open the device.

Please have the model, serial number and a detailed problem description available when you call. If the problem concerns a particular reading, please have all meter readings available.

This warranty does not apply to defects resulting from unauthorized modification, misuse. If you install or exchange system expansion and damage your device, the warranty becomes void.

## 4. Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.