LoRaWAN Rope Type Water Leak Controller

LWL03A

OVERVIEW:

The Dragino LWL03A is a LoRaWAN None-Position Rope Type Water Leak Controller. User can lay the LWL03A + Water Leak Cable on the ground to detect water leakage. The water leak cable is sensitivity, when there is water over the leak cable. LWL03A will indicates a water leak event and uplink to IoT server via LoRaWAN network.

LWL03A is powered by 8500mAh battery and target for long time use up to 10 years.

The LWL03A will send periodically data every 2 hours as well as for each water leak event. It also counts the water leak times and calculate last water leak duration.

Each LWL03A 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.

Applications:

- Smart Cities
- Smart Factory
- Smart Buildings & Home Automation

Features:

- Water Leak detect
- 8500mAh Li-SoCl2 battery
- Downlink to change configure
- LoRaWAN v1.0.3 Class A protocol
- 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

DR-WLN Datasheet

DR-WLN

OVERVIEW:

The DR-WLN detection cable is made of two light high-density polyethylene (HDPE) wires around the spiral axis. Compared with the parallel structure of the detection line, the spiral structure can reduce the environmental electromagnetic interference and false alarm rate, and greatly improve the strength and service life of the cable.

With a unique manufacturing process, the cable is fast and dry, enabling the detection host to be quickly and accurately reset and easy to use. The cable is made of anti-corrosion, halogen-free, non-toxic materials,meeting environmental standards.

Technical Parameters:

- Color: Yellow
- Weight: 18g/m
- Cable diameter: 6.0mm
- Breaking strength: 60KG
- Conductor diameter: 1.0mm
- Maximum exposure temperature: 105 °C
- External resistance of conductor: 5 Ohms/PREFIX=ST1200m
- Fire resistance rating: Secondary pressure ventilation cable

Order Info:

Controller Part Number: LWL03A-XXX

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

Cable Part Number: DR-WLN-XXX

- **XXX:** Cable Length Options:
  1M : 1 meter water leak cable
  5M : 5 meters water leak cable
  10M : 10 meters water leak cable

Notice:

LWL03A includes a one meter water leak cable, If user want to extend the lenght, please choose Water Leak Cable DR-WLN-XXX.

Use Scenario for LWL03A

Used in IDC, Smart Building, Factory, and Warehouse to detect water leak.
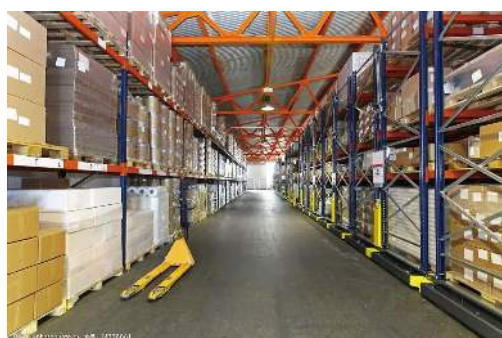

IDC

Smart Building

Factory

Warehouse

Air Condition

Industrial Piping