Wireless Water Leakage
HY-31
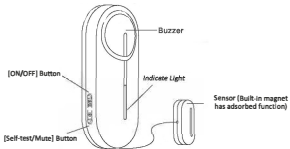
* This product is anetworking accessory that needsto be usedwith the company's gateway

Product Introduction

The water leakage detector uses the principle of electrode immersion resistance change to detect water. The detector adopts MCU intelligent detection method, sensor uses rust-proof design with advantage of high accuracy and sensitivity. This product has the advantages of low power consumption, stability, reliability, etc.

This detector can be widely used in all water storage equipment and places where you need to know about water leakage or overflow, such as basement, water tank, machine room, waterway, water tower, water cellar, pool, swimming pool, etc.

Buzzer

[ON/OFF] Button

Indicate Light

Sensor (Built-in magnet
has adsorbed function)

[Self-test/Mute] Button

Technical Specifications

Operating Voltage: DC 3V (2pcs 1.5V/AAA battery)
Working Current: ≤10uA   Alarm Current: ≤100mA
Sound Level: ≥90dB
Wireless Frequency: 433.92MHz
Wireless Distance: ≤100M (open area)
Working Temperature: -20℃~+60℃
Working Humidity: ≤80% (no congelation)

Features

- Rust-proof sensor, long services life.
- Ultra-micro power consumption design.
- Intelligent signal analysis technology.
- Sound and flash alarm function.
- Turn off leakage detection function.
- Automatically detect the loading of old and new battery function.
- Battery low power prompt function.

Usage Instructions

Enrollment

Alarm host enters detector enrolled status, short press detector [Self-test/Mute] button to self-test and enrollment.

Self-test

In order to ensure that the detector is in good condition, user can press the [Self-test/Mute] button to test. When testing successfully red light flashing 5S, buzzer sounds 5 times, and sends wireless alarm signal to alarm host.

Alarming

When sensor detects water, red light will fast flashing and buzzer will send alarm sound to alert user about water leakage and overflow, at the same time send wireless alarm signal to alarm host. When water leakage and overflow is properly handled, the detector will automatically stops the alarming and returns to normal working condition.

When detector alarming, user can press [Self-test/Mute]button to enter mute status, at this state red light flashes once every one second, the buzzer stop sounding. Mute status continues 10 minutes, if still detects water after 10 minutes, the detector will alarm again to warn users.

Turn off Detection

Under normal status, users can long press [ON/OFF] button to enter turn off detection status, at this state red light flashes once every 3S, if detects water yellow light flashes once every 3S. Turning off detection time is one hour. Short press [ON/OFF] button to exit the turn off detection status.

Battery Prompt

When users insert new battery voltage below 2.6V, detector will turn off alarm function and green ligh fast

flash.

Detector without alarming status, red light flashes once every 60S. When battery low power, green light flashes once and buzzer sounds once every 60S to remind users change battery.

Installation Notice

The detector's water leakage detection height is related to the installation position. Users can use double-sided tape to fix the sensor in the area where water is easy to leak or use the sensor's magnetic force to absorb in the place where need to detect water. After sensor being installed, using screws or double-sided tape to fix the detector.

* Install the detector in the area that is water easily leak.

* Do not install it in the area with rain, oil smoke and steam.
* When installing accessories, please avoid installing on objects with lots of metal and wires.

Installation Reference

The alarm won't be triggered if the water doesn't reach the sensor

The alarm will be triggered if the water reaches the sensor

Notes

* When detector detects water and still at alarming state after draining away the water, this may be water residue inside or on the surface of the sensor. Dry the water residue on surface with towel to check if detector recovers to normal working status. If still on alarming state, please take the sensor off and shake the residue water out, dry the surface with towel, then installing.
* To ensure that the product can work normally, if find battery low power alarm during usage, please replace battery timely.