

WLS316 Water Leakage Sensor

Quick Start Guide

Safety Handling

WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the Water Leakage Sensor and other property. Read all the safety notices below before using the Water Leakage Sensor.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit on your own.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.

Technical Specifications

Wireless Connectivity

ZigBee	<ul style="list-style-type: none">• 2.4GHz IEEE 802.15.4
ZigBee Profile	<ul style="list-style-type: none">• ZigBee 3.0
RF Characteristics	<ul style="list-style-type: none">• Operating frequency: 2.4GHz• Range outdoor/indoor: 100m / 30m (Open area)• Internal PCB Antenna

Physical Specifications

Battery	<ul style="list-style-type: none">• DC 3V (Two AAA batteries)
Operating environment	<ul style="list-style-type: none">• Temperature: -10°C ~+55°C• Humidity: ≤ 85% non-condensing
Mounting Type	<ul style="list-style-type: none">• Tabletop stand or Wall mounting

1 Welcome



The Water Leakage Sensor is used to detect water Leakage and receive notifications from mobile app. And it uses an extra-low power consumption ZigBee wireless module, and has a long battery life.

This guide will provide you with an overview of the product and help you get through the initial setup.

Features:

- ZigBee 3.0
- Water leakage detection
- Low power consumption

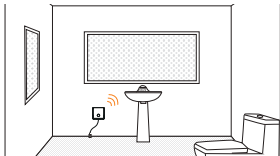
2 Installation

You can mount the Water Leakage Sensor to the wall, ceiling or keep it on a bookshelf or table.

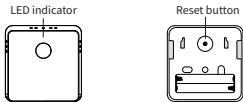
- Please ensure that the surface is clean and secure.
- You can peel off the tape or lock it with screws to mount it.

Water leakage:

Please refer to the mounting example below.



3 Get to know your device



LED indicator

The LED status gives the following information:

When you press the reset button once

Flashing green	Device has joined a ZigBee network.
Flashing red	Device has not joined a ZigBee network.

Reset button

Reset: Press and hold the reset button for 10 seconds until the LED light flashes for three times at third second, and it will flash for three times again at tenth second.

4 Configure Network

4.1 To get started, you will need:

- A Zigbee Gateway.
- A mobile phone with a mobile APP installed.

4.2 Adding to the gateway's network

1. Set your gateway to permit joining (see your gateway's manual).
2. Power on the Water Leakage Sensor and press the reset button once to make sure the LED indicator is flashing red (If not, reset it to factory defaults).
3. Make sure the Water Leakage Sensor is in the range of gateway's network. After few seconds the Water Leakage Sensor will join the gateway automatically and the LED indicator will flash green when it successfully joined.

Note: If the adding is failed, simply reset the Water Leakage Sensor and retry.