

# WLS-15-NBIOT Water Sensor

Living Worried-free Without  
Water trouble



WLS-15-NBIOT is a wireless water leak sensor that is designed to monitor water level and raise an alarm when high water level is detected. It is a perfect solution of monitoring water leaks in basement, garage, bathroom and kitchen or any place water leakage might occur. WLS-15-NBIOT incorporates NB-IoT technology and can send status or alarm signals to the system server via NB-IoT network, providing users system deployment flexibility.

WLS-15-NBIOT can also connect with add-on optional extendable water probe or water sensing cables for different applications, hard-to-reach areas and increase detection area. Completely wireless, WLS-15-NBIOT can be easily install anywhere needed and provide you with a peace of mind.

WLS-15-NBIOT instantly sends an alarm signal when detecting the presence of water and generates a loud siren as well as flashes its red LED, providing effective audible and visual alerts to prompt a timely response. The reliable and robust protection the WLS-15-NBIOT provides radically reduces flood risks in any home and saves the user the potentially exorbitant costs associated with water damage restoration.

## Features

- Detects water leakage and floods to deliver early warnings
- Two types of detection probes for wall mounting or ground deployment
- Optional extendable water probe and water sensing cables for hard-to-reach areas and increase detection area
- Built-in red LED flashes to provide visual alert when alarm is triggered
- Generates loud alarm siren when water is detected
- Regular supervision signals to check system integrity
- Low battery detection

## Specifications

Communication Protocol	UDP based NB-IoT network
LTE Category	NB2 (HD-FDD) 3GPP Release 13/14
LTE Bands	1900 MHz / 1700 MHz / 700 MHz (US)
Power Source	3V, CR123A Lithium battery x 1
Battery Life	2 years*
Siren Output	95dB at 1 meter
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	95 mm x 29.5 mm x 82.5 mm

\* Note: Actual battery life may vary with product settings, operating environment, and usage patterns.

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Water Probe Cable Included



WLS-15-NBIOT



WPC-20  
Water Probe Cable  
20cm

Optional Water Probe Extension Cables



WPEC-FH  
Water Probe Extension  
Cable - Flat Head



WPEC-1TO4  
Water Probe Extension  
Cable 1-TO-4



WPEC-170  
Water Probe Extension  
Cable 170cm

Optional Water Sensing Cable



WSC-120-P  
Water Sensing Cable (pin)  
120cm

Applications

Optional extension cables come in various types, allowing you to combine them in the way that best works for you. Following are a few possible applications:



(A)



(B)



(C)