

WLS-23ZBS Series Water Leakage Sensor

Detecting Leaks and Floods to
Prevent Water Damage



Wireless ZigBee water leakage sensor with powerful functions, the WLS-23ZBS series is designed to make your family more comfortable and prevent against serious water damage that can cause stressful and expensive home repairs and damages. The entire length of WLS-23ZBS's water sensing cable can detect water and also be further extended with optional extension cables to increase detection area.

The WLS-23TH-ZBS model can also monitor temperature and humidity and users will receive immediate alerts if the climate fluctuates to unsafe or undesirable levels, which can cause a variety of ill health effects and damage valuables. Ideally suited for places near your washing machine, water heater, dishwasher, under the sink or anywhere water leakage may occur.

The WLS-23ZBS series is sleek and waterproof. Its wireless small size allows for easy installation and can be wall mounted or ground deployed. The WLS-23ZBS is compatible with other manufacturers' ZigBee systems and can be integrated into new or existing ZigBee systems, to make your home a safer, more comfortable place to live.



WLS-23ZBS Series

Features

- Monitors water leakage and sounds an alarm when water is detected
- The entire length of 120cm water sensing cable can detect water (WSC-120-E and WSC-120-P only)
- Built-in temperature and humidity sensor that detects temperature from -10° to 50°C (14°F to 122°F) and humidity from 10% ~ 85%RH (optional)
- Periodic notification of temperature and humidity conditions or when temperature changes by +/-2°C (+/-3.6°F) or humidity changes by +/-10%RH (optional)
- Wall mounted or ground deployment
- Waterproof up to IP55 standard
- Extendable water sensing cables or water probe cable to cover hard-to-reach areas (optional)
- Over-the-Air (OTA) firmware update capability (optional)
- Alarm silence button to quiet nuisance alarms
- Loud 85dB siren for audio alert
- LED indicator
- Low battery detection
- Regular supervision signals to check system integrity
- Compatible with other manufacturers' ZigBee systems

Specifications

WLS-23-ZBS-S/P / WLS-23-ZBS (OTA)-S/P

| | |
|------------------------|--|
| Communication Protocol | ZigBee Pro Home Automation 1.2 |
| Frequency | 2.4GHz |
| Power Source | 3V, CR123 Lithium battery x 1 |
| Battery Life | WLS-23-ZBS: 9 years* WLS-23-ZBS (OTA): 7 years* |
| Siren Output | 85dB at 3 meters |
| Operating Temperature | -10°C to 45°C (14°F to 113°F) |
| Operating Humidity | Up to 85% non-condensing |
| Dimensions | 68mm x 25mm x 74mm |

WLS-23-TH-ZBS-S/P / WLS-23-TH-ZBS (OTA)-S/P

| | |
|-----------------------------|--|
| Communication Protocol | ZigBee Pro Home Automation 1.2 |
| Frequency | 2.4GHz |
| Power Source | 3V, CR123 Lithium battery x 1 |
| Battery Life | WLS-23-TH-ZBS: 2.5 years* WLS-23-TH-ZBS (OTA): 2 years* |
| Temperature Detection Range | -10°C to 50°C (14°F to 122°F) |
| Humidity Detection Range | 10% ~ 85%RH |
| Siren Output | 85dB at 3 meters |
| Operating Temperature | -10°C to 45°C (14°F to 113°F) |
| Operating Humidity | Up to 85% non-condensing |
| Dimensions | 68mm x 25mm x 74mm |

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

WLS-23ZBS Series

Included Water Sensing Cable or Water Probe Cable



WSC-120-E
Water Sensing Cable
120cm



WPC-20-E
Water Probe Cable
20cm

Optional 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



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

Ordering Information

| | |
|------------------------------|--|
| WLS-23-ZBS-S | Water Leakage Sensor with Water Sensing Cable (WSC-120-E) |
| WLS-23-ZBS-P | Water Leakage Sensor with Water Probe Cable (WPC-20-E) |
| WLS-23-ZBS (OTA)-S | Water Leakage Sensor with OTA capability, and Water Sensing Cable (WSC-120-E) |
| WLS-23-ZBS (OTA)-P | Water Leakage Sensor with OTA capability, and Water Probe Cable (WPC-20-E) |
| WLS-23-TH-ZBS-S | Water Leakage Sensor with temperature, humidity detection, and Water Sensing Cable (WSC-120-E) |
| WLS-23-TH-ZBS-P | Water Leakage Sensor with temperature, humidity detection, and Water Probe Cable (WPC-20-E) |
| WLS-23-TH-ZBS (OTA)-S | Water Leakage Sensor with temperature, humidity detection, OTA capability, and Water Sensing Cable (WSC-120-E) |
| WLS-23-TH-ZBS (OTA)-P | Water Leakage Sensor with temperature, humidity detection, OTA capability, and Water Probe Cable (WPC-20-E) |