

MerryIoT Leak Detection

Doc ver.: BQW_03_0038.006



Features

- Compliance to LoRaWAN1.0.3
- Built-in water-sensing probes
- IP67-rated waterproof housing
- Battery-powered (2 standard AA alkaline batteries)
- Detection for both flood and water dripping
- Built-in alarm buzzer with sound pressure level 80 dB(min)
- Press-and-play installation
- Support coverage test by pressing test button

The **MerryIoT Leak Detection** utilizes LoRaWAN connectivity to send uplink notification when water dripping, or flood is detected. And with the built-in alarm buzzer, you wouldn't miss the possible flooding.

Specification

Model Name	WL10
Frequency	EU 868 MHz US 902~928 MHz
Antenna Gain	-2dBi Peak
RF Sensitivity	-135dBm
Battery Type	1.5 V AA Alkaline x 2 pcs, 5400 mAh (75ΩCont. discharge)
Battery Lifetime*	About 3 years. *Note: Battery life is mainly determined by the reporting frequency. Other factors include moisture and high temperature.
Average Current	135 mA maximum / 100 uA minimum
Protocol	LoRaWAN 1.0.3
Operation Temperature	0 to 50°C
Environmental Rating	IP67 equivalent
Dimensions	70 mm x 26.5 mm x 70 mm
Weight	89 g
Sensor	<ul style="list-style-type: none">• Water sensing probes• Temperature sensor:<ul style="list-style-type: none">• Accuracy: $\pm (1^{\circ}\text{C})$• Humidity sensor:<ul style="list-style-type: none">• Accuracy: $\pm 5 \%$• Three-axis linear accelerometer
Type Approval	CE/FCC/IC approved.

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SKU Detail		
SKU	Country	Frequency Band (MHz)
WL10-915	USA	US915 (902~928)
WL10-868	Europe	EU868 (862~870)