

# MerryIoT Leak Detection

Doc ver.: BQW\_03\_0038.005



## 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

<b>Model Name</b>	WL10
<b>Frequency</b>	EU 868 MHz US 902~928 MHz
<b>Antenna Gain</b>	-2dBi Peak
<b>RF Sensitivity</b>	-135dBm
<b>Battery Type</b>	1.5 V AA Alkaline x 2 pcs, 5400 mAh (75ΩCont. discharge)
<b>Battery Lifetime*</b>	About 15 months *Note: Service life varies to the operating conditions.
<b>Average Current</b>	135 mA maximum / 100 uA minimum
<b>Protocol</b>	LoRaWAN 1.0.3
<b>Operation Temperature</b>	0 to 50°C
<b>Environmental Rating</b>	IP67 equivalent
<b>Dimensions</b>	70 mm x 26.5 mm x 70 mm
<b>Weight</b>	89 g
<b>Sensor</b>	<ul style="list-style-type: none"><li>• Water sensing probes</li><li>• Temperature sensor:<ul style="list-style-type: none"><li>• Accuracy: <math>\pm 1^{\circ}\text{C}</math></li></ul></li><li>• Humidity sensor:<ul style="list-style-type: none"><li>• Accuracy: <math>\pm 5\%</math></li></ul></li><li>• Three-axis linear accelerometer</li></ul>
<b>Type Approval</b>	CE/FCC/IC in progress

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