

MerryIoT Open/Close

Doc ver.: BQW_03_0037.005



Features

- Compliance to LoRaWAN1.0.3
- Hall-Effect sensor with a detection range of 1 cm
- IP40 equivalent
- Built-in 3-axis Accelerometer to detect any shock, vibration of abnormal movement
- Built-in alarm buzzer with sound pressure level 80 dB(min)
- Power on-and-play installation
- Support coverage test by pressing test button

The **MerryIoT Open/Close** fits into any interior design and is easy to install. It is composed of two parts. The main body contains the active electronics to measure magnetic fields and transmit data ,if any changes, to a LoRaWAN network. The other part is a permanent magnet of sufficient field strength to be detected by the Hall-Effect sensor on the main body.

Built-in 3-axis Accelerometer, allows detection of abnormal movement from the window or door, enhance security measures.

Specification

Model Name	DW10
Frequency	EU 868 MHz US 902~928 MHz
Antenna Gain	-2dBi Peak
RF Sensitivity	-135dBm
Battery Type	3.6V ½ AA Li-SOCI2 x 2pcs, 2400mAh
Battery Lifetime*	About 3 years. *Note: Battery life is mainly determined by the reporting frequency. Other factors include moisture and high temperature.
Average Current	135mA maximum / 100uA minimum
Protocol	LoRaWAN 1.0.3
Operation Temperature	0 to 50°C
Environmental Rating	IP40 equivalent
Dimensions	90mm x 28mm x 40mm
Weight	69 g
Sensor	<ul style="list-style-type: none">• Hall-Effect sensor<ul style="list-style-type: none">• detection range: 1cm• Temperature sensor:<ul style="list-style-type: none">• Accuracy: ± (1°C)• Humidity sensor:<ul style="list-style-type: none">• Accuracy: ± 5 %• Three-axis linear accelerometer
Magnet	Size: 40mm x 15 mm x 10 mm
Type Approval	CE/FCC/IC in progress

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SKU Detail		
SKU	Country	Frequency Band (MHz)
DW10-915	USA	US915 (902~928)
DW10-868	Europe	EU868 (862~870)