

Door & Window Sensor

Doc ver.: BQW_03_0018.001

Features



- EU, US, and Asia frequency supported
- LoRaWAN 1.0.3
- 0 to 50°C operation temperature range
- Hall-Effect sensor
- 1 cm detection range
- IP50 equivalent

The Tabs Door & Window sensor 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.

Specification

Frequency	868MHz & 915MHz
RF TX power	US: +19dBm EU: +17dBm
Antenna Gain	-2dBi Peak, -5dBi Avg
RF Sensitivity	-135dBm
Battery Type	3.6V ½ AA Li-SOCI2, 1200mAh
Battery Lifetime*	Up to 16 months
Average Current	135mA maximum / 100uA minimum
Protocol	LoRaWAN 1.0.3
Operation Temperature	0 to 50°C
Environmental Rating	IP50 equivalent
Dimensions	50mm x 20mm x 50mm
Weight	30g without battery 40g with battery
Detection Distance	1 cm
Sensor	Hall-Effect sensor
Type Approval	CE/FCC/IC

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SKU Detail

SKU	Country	Channels	Frequency Band (MHz)
TBDW100-868	Europe	8	EU868 (862~870)
TBDW100-915	USA	16	US915 (902~928)

* Samples are also available for IN865, AS923, AU915, KR920.