#### Wireless Window Sensor with On/Off Switch

# Datasheet

Rev. 1.2

Mar. 19, 2014

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#### Wireless Window Sensor with On/Off Switch

# **History**

Version	Date	Note
V1.2	2014-03-19	Initial Release

#### **Notes:**

Hardware Version: V1.1 PCBA: 61Z3116801 V1.1

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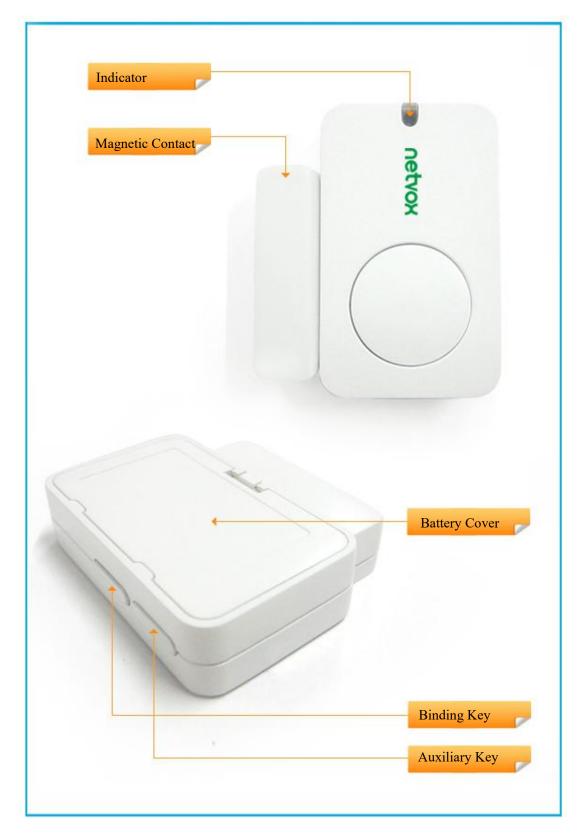


Fig.1 Z311J Appearance

#### Wireless Window Sensor with On/Off Switch

## **Introduction**

Z311J is a Window Door Contact Sensor, Z311J sends the warning message to it's enrolled CIE (a security central) device in the network to notify the user .Z311J also features On/Off switch. When the window/door is opened/ closed, Z311J sends the On/Off command to the ZigBee network to turn the device on/off..

Z311J integrates EM357 chip and is a 2.4GHz ISM band transceiver. Z311J is based on ZigBee Pro. It communicates with the coordinator, router, and end device in the network.

# **Electric**

Input power	2 3.0V CR2450 button batteries
operating voltage	DC +2.2V~3.0V
Standby mode	3.5uA/3.0V
Transmitting mode(max)	43mA/3.0V
Receiving mode(max)	28mA/3.0V

# **Frequency**

Frequency	2.4 — 2.4835 GHz
Channel	16 个(ISM 11~26 )
TX power	7dBm
Rx sensitivity	-101dBm
Antenna type	Build-in antenna
Communication rang	100 m (line-of-sight)
Data transfer rate	250Kbps
Spread technique	DSSS (O-QPSK)

# **Physical**

Dimension	57mm x 35mm x 15mm
Sensor dimension	43mm x 13mm x 12mm
Operating Ambient:	Humidity max. 95%RH
Working Temp.	-10°C ∼ 50°C
Storage Temp.	-40°C ∼ 85°C