

Datasheet

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History

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

Notes:

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

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Wireless Window Sensor with On/Off Switch



Fig.1 Z311J Appearance

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 ↑ (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