

Datasheet

Version 1.0

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History

Version	Date	Note
0.1	2013-1-19	Initial Release
1.0	2013-04-10	Add Flash

Notes:

Hardware Version: 1.0

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ZigBee Pro™- Wireless Window/Door Sensor and Wireless Glass Sensor

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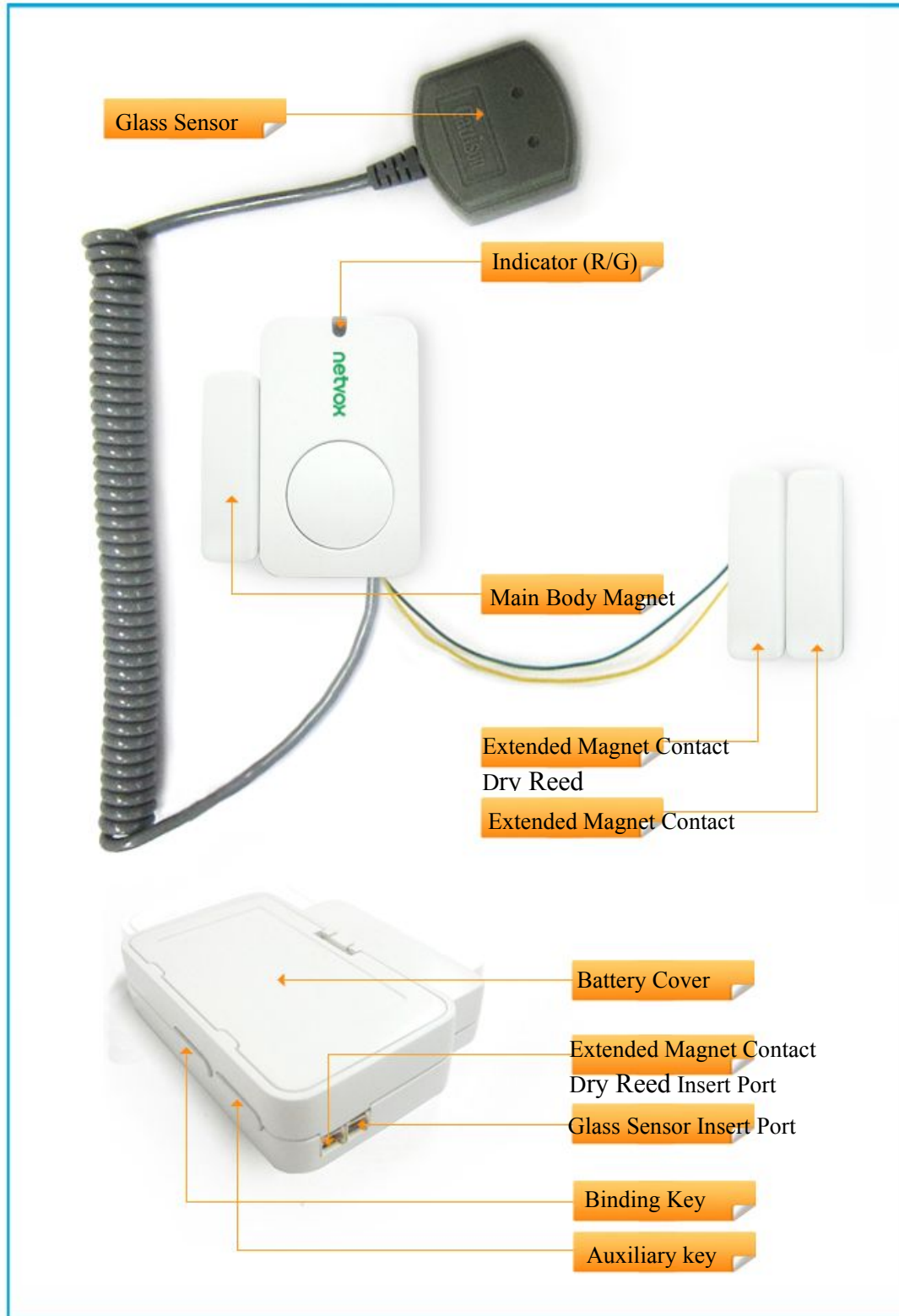


Fig. Z311C Appearance

Introduction

The Z311C has a built-in reed sensor and can be connected externally to a certain number of dry reeds. It can be used to detect door/window switch status and an external glass break detector to detect broken glass. With the built-in 2.4G wireless module, wireless alarm and other functions can be implemented. This module conforms to the ZigBee Pro™ protocol standard and can easily communicate with other related devices.

Electric Parameters

Input power	2pcs 3.0V CR2450 button battery
Standby current	4.9uA
Transmitting current (max)	38mA
Receiving current (max)	38mA

Frequency Parameters

Frequency range	2.4 — 2.4835 GHz
Channel numbers	16
Spread technique	DSSS (O-QPSK)
Data transfer rate	250 Kbps
TX power	3dBm(Software adjustable)
Rx sensitivity	-97dBm
Antenna type	Build-in antenna
Communication rang	100m (line-of-sight)

Physical Parameters

Sensor Dimension	57mm x 35mm x 15mm
Magnet Dimension	43mm x 13mm x 12mm
Working Temp.	-10°C — 50°C
Storage Temp.	-40°C — 85°C