

# Datasheet

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### ZigBee Pro™ Window / Door Sensor



**Zigbee Pro™-Door/Window Sensor****Introduction**

Z311A is a window contact sensor based on ZigBee wireless technology. The main unit and the magnetic contact can be each installed on window side. When the window is opened, Z311A sends alarm message to the control center. Z311A utilizes the latest ultra-low power consumption technology and requires no wiring. It requires just button batteries to support its operation.

**Electric Parameters**

Input power	2pcs 3.0V CR2450 button battery
Working power	DC +2.2V~3.0V
Standby current	3.5uA/3.0V
Transmitting current (max)	43mA/3.0V
Receiving current (max)	28mA/3.0V

**Frequency Parameters**

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

**Physical Parameters**

Sensor Dimension	57mm x 35mm x 15mm
Magnet Dimension	43mm x 13mm x 12mm
Humidity	<95%RH
Working Temp.	-10°C ~ 50°C
Storage Temp.	-40°C ~ 85°C