



WZB-SMG02 Quick User Guide

Ver. 1.0

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Congratulations for choosing a world-class magnetic switch using ZigBee transmission technology. This device is a wireless device with magnetic contact which is used to secure doors, windows, or any other opening parts and operating with NHR coordinators to alert you when a window or door has been opened. They add an extra layer of security to homes and small businesses, and add peace of mind for families with young children. Periodic transmission of supervision signals is used to confirm system connectivity at all times. The detector is powered by a standard CR2032 battery, which is constantly monitored, with automatic reporting to the coordinator when the battery needs to be replaced. This guide is designed to help set up and get the most from the sensor in a few short minutes.

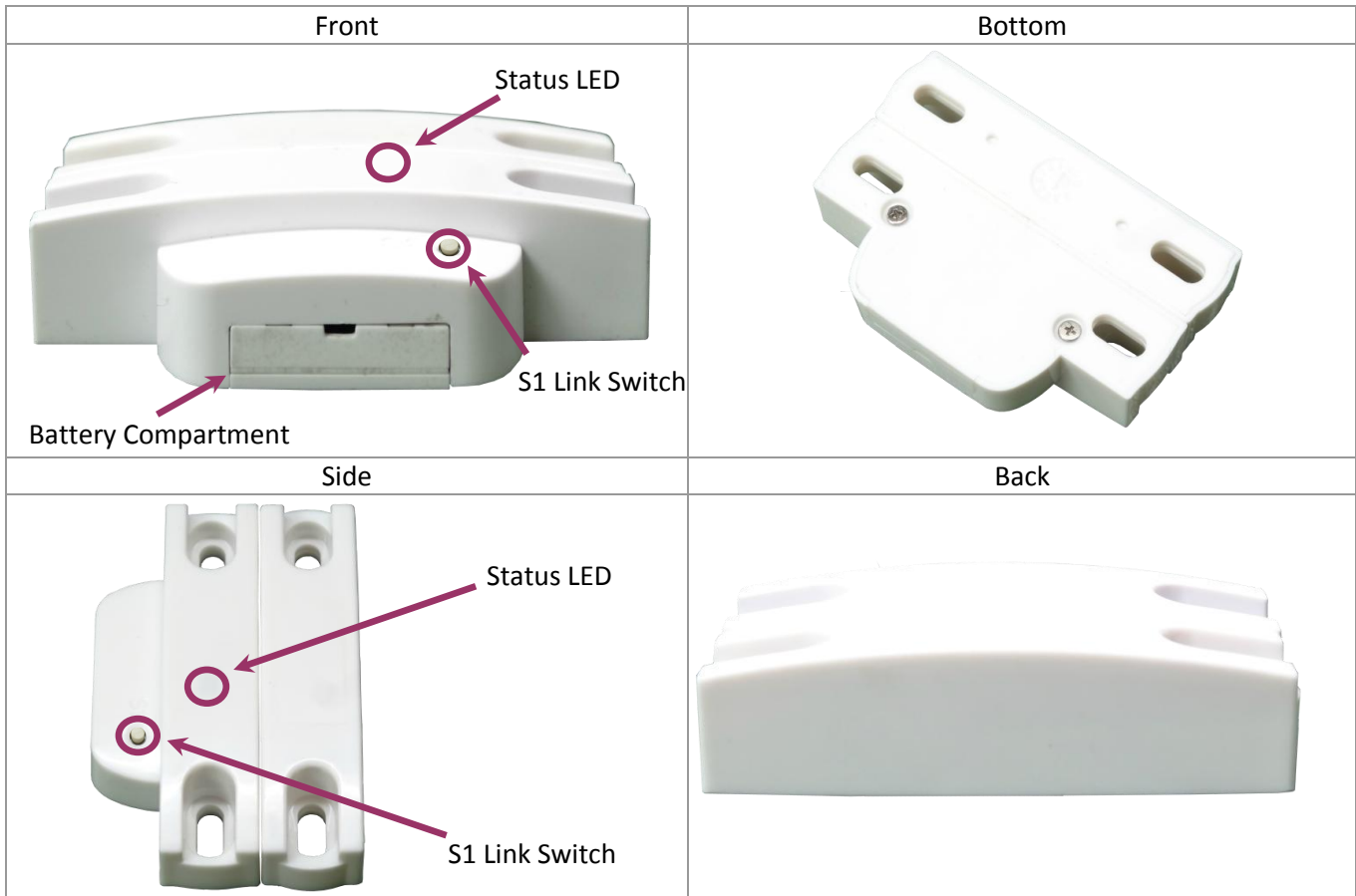
Safety notice: Please read and follow the instructions before using this product

- To prevent electrical shock or fire, do not disassemble or expose the unit to liquids of any kind
- Only use attachments and / or accessories specified by the manufacturer

1 Package Content and Views of WZB-SMG02

NHR WZB-SMG02 Magnetic Switch	Mounting fixtures (4 wall plugs, 4 screws)	Lithium Battery
		

If any of the above is missing please contact your supplier.



2 Installation for WZB-SMG02

Requirements:

- Sharp pointed tool

- Placing the battery into battery compartment before installation. Be sure the coordinator is powered on.
- Use sharp pointed to press the S1 link switch on coordinator to JOIN Magnetic Switch. Once the Magnetic Switch has been linked, the green LED status light will flash every 60 seconds. If the Magnetic Switch is not linked to the coordinator, press the S1 link switch on the coordinator once again until the Magnetic Switch is being linked.

Noted: DO NOT power on the devices that you do not want to join. Please avoid pressing S1 link switch of 2 or more coordinators at the same time.

- Check the Magnetic Switch to see if it comes into operating state. Once the Magnetic Switch has been linked, the green LED status light will flash every 60 seconds.
- Select the proper place (normally mounted on the edge doors or windows), fix the mounting base and fix it with screws or sticky strips.



- e) After installation, move the door or the window to test the output of the Magnetic Switch. The switch should send out RF signal to the coordinator.

Noted: Please install detectors from other 2.4GHz devices at least 2M away to avoid possible interference.

The installation is now completed.

3 Removing devices from the coordinator

- a) In the case of disconnecting one of the Magnetic Switches, you may press the S1 link switch on the Magnetic Switch for 3 times quickly to remove from the Wireless Network.
- b) In the case of dismissing all Wireless Network, press S1 link switch on the coordinator for 1 long press until it pops up long green light. At this point, the entire network is now dismissed; all the detectors are ready to join other wireless network.

4 Reset

Requirements:

- Sharp pointed tool

a) ZigBee Reset:

In the case where the WZB-SMG02 is no longer available or needed, WZB-SMG02 will need to be reset by applying a 5-second press to the S1 link switch until the green and red LEDs flash for the reset, and then the Blue LED should disappear.

5 The table below shows the LED status for WZB-SMG02:

LED	Status
Flash green LED 3 times then flash once every 60 seconds	Connected to the Coordinator
Flash green LED 2 times every seconds	Disconnected to the Coordinator
Flash green LED 3 times	Joined successfully
Flash red LED quickly	Remove from the PAN
Both green and red LED flash	Reset
Flash red LED every 5 seconds	Low battery power

6 Product Specifications

Measuring Element	Magnetic Switch	
Wireless Protocol	Compliant IEEE 802.15.4, ZigBee2007 / PRO HA Profile	
Operating Frequency	2.4GHz ISM band	
Transmission Range	y 100m (328ft)	
RF Output Power	0dBm	
Power Supply	CR 2032 Lithium Button Battery	
Battery Life	1 year	
Operating Environment	-20 ~ +50°C, < 90% relative humidity	
Operating Gap	# \	
Power Consumption	Standby mode: 1.4μA; Transmitting mode: 35mA	
Network Topology	Star / Tree / Mesh	
Enabling Devices	Coordinator	WZB-05ET; WZB-02485; WZB-01USB; S05-R; G07
Dimensions	60mm (L) x 31mm (W) x 14.5mm (H)	
Weight	32.8g / 1.16oz	
Certifications	CE / FCC	