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USER'S MANUAL



**ZIGBEE
GLASS BREAK
DETECTOR**

Model Number: WZB-SMB02

PRODUCT INTRODUCTION

WZB-SGB02, ZigBee Magnetic Switch, is a wireless device with pulse detecting function which is used to secure glass from being broken and operating with WZB-06GP ZigBee Multi-Gateway to protect any unexpected break through. 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 Multi-Gateway when the battery needs to be replaced.

By binding it to the central device of security system, WZB-06GP ZigBee Multi-Gateway, the ZigBee Glass Break Detector is default as Zone #7, whenever the magnetic switch triggers, then the WZB-06GP will send out SOS messages to assigned 4 SOS cellphone numbers and push Digital output #7 correspondingly. Maximum distance for wireless connection is 150 meters (in open areas). Although line of site is not required, the maximum range is based on optimal conditions with minimal interference. Objects such as walls, trees, etc affect wireless range. Actual range may vary, depending on environment.

PRODUCT PROFILE



SPECIFICATION

1. Wireless glass break detecting
2. Transmitting Distance: 150m (490 feet)
(Line of sight)
3. Battery Life: 1 to 2 year

PRODUCT FEATURE

- Superior transmission range.
- Fully supervised.
- Factory-selected ID
- Long-life standard lithium battery included.
- Low-battery signaling.
- Compatible with WZB-06GP and WZB-02485R, wireless panels and repeaters.

DETAILED PRODUCT DESCRIPTION

1. Wireless Magnetic door contact
2. Transmitting Distance: 150m (490 feet)
(Line of sight)
3. Transmitting Distance: 150m
4. Transmitting Current: 30mA
5. Sending Frequency: 2.4GHz
6. Trigger resistance: $\infty\Omega$
7. Surge proof voltage: 2000V(Max)
8. Activated holding time: 3~10 seconds
9. Ambient temperature: $-10^{\circ}\text{C}\sim 60^{\circ}\text{C}$
($14^{\circ}\text{F}\sim 140^{\circ}\text{F}$)
10. Dimension: $\psi 3.7 * 1.6 \text{ cm}$
($\psi 1.4 * 0.6 \text{ inches}$)
11. Battery Life: 1 to 2 year
12. Battery type: CR2032 3.0V Lithium
Ion Battery
13. Number of batteries: 1

INSTALLATION AND TEST

1. Taking the battery into battery box before installation. And make sure WZB-06GP is powered on.
2. Press WZB-06GP S1 to JOIN the glass break detector. Once the glass break detector has been linked, the blue LED light on front cover will flash every 30 seconds. If WZB-06GP does not link with Magnetic Switch, then just press WZB-06GP S1 once again until the Magnetic Switch is being linked.



Please note: Do NOT power on the devices that you do not want to link.

Please avoid pressing 2 WZB-06GPs' S1 buttons at the same time.

3. Check the glass break detector to see if it comes into operating state. Once the Magnetic Switch has been linked, the blue LED light on front cover will flash every 30 seconds.
4. After linking, you may hit the glass break detector to test the output of the glass break detector. The glass break detector should send out RF signal to WZB-06GP and trigger the digital output #7. (Installation is completed)
5. Select proper place (normally mounted on the side of windows glass), fix it with sticky strips or glues.
6. If you want to disconnect one glass break detector, you can press WZB-06GP S1 for 2 times quickly, then follows pressing the intended disconnecting glass break detector S1 for 3 times quickly, then it will disconnect the single glass break detector from the Wireless Network.
7. If you want to dismiss all Wireless Network, then press WZB-06GP S1 for 1 time long press until it pops up both red and blue light; then press all other glass break detector for 1 time long press until it pops up long blue light. Now the whole network is dismissed. Then the detectors are ready to join other wireless network.

INSTALLATION AND TEST

NOTICE

1. The glass break detector should have two quick LED flash regularly when it is in low battery. When low battery happens, please change the battery immediately.
2. The glass break detector cannot be installed under worse environment. E.g. coldest, hottest, dusty.
3. Please test it monthly.
4. For various reasons, including, but not limited to changes in environmental conditions, electric disruptions and tampering, the product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.
5. Please install detectors away from other 2.4GHz devices at least 2 meters to avoid from possible interference.



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Contact Information: Email: zigbeenhr@shop, Website: www.shop-wifi.com/wireless-sensors