

Wireless Vibration Sensor

Model: WD80

1. INTRODUCTION

The Wireless Vibration Sensor adopts the theory of vibration, touch and motion mode. Once it detects any vibration, it will automatically send a wireless signal to the control panel to activate the alarm. It's widely used for objects with a solid or thick structure, like a safe. It's vibrating sensitivity can be adjusted by three levels to prevent false alarms effectively.

Two AAA 1.5V LR03 batteries are included in the sensor, which enables 12 months standby.

2. GET TO KNOW YOUR PRODUCT

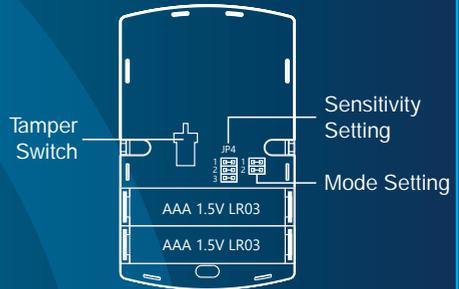


- 1. LED Indicator
- 2. Antenna

3. LED INDICATION

Flash Once: Vibration is detected, sending wireless signal
Flash Once Every 2 Seconds: Low battery indication, please change batteries.

4. PCB LAYOUT



Sensitivity Setting: High/Medium/Low Sensitivity

Mode Setting: Normal Zone or 24-Hour Zone

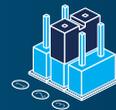
Tamper Switch: If the case is opened in working state, the tamper switch will send a signal to trigger the alarm system.

5. SENSITIVITY SETTINGS

Take off the back case with screwdriver, place the black jumper cap onto the jumper of required sensitivity level



High Sensitivity



Medium Sensitivity

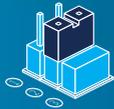


Low Sensitivity

6. MODE SETTING



Normal Zone



24 Hour Zone

Normal Zone: In Armed or Home Mode state, the system will alarm immediately once the sensors in normal zone are triggered.

24 Hour Zone: The system will alarm immediately once the 24 Hour Zone sensor is triggered. 24 hour zone setting is recommended for sensors such as smoke detector, IR beam sensors which need protection for 24 hours.

7. INSTALLATION

1. Remove the insulating strip; the sensor will enter working mode.
2. Clean the surface of object to be installed.
3. Fix the sensor on the surface of the object with double sided adhesive tape and make sure the antenna is upward.



8. NOTICE

Note: Whether a vibration signal will be detected depends on not only the knocking strength on objects, but also the strength, frequency, impact and duration of the signal.

9. CONNECT WITH CONTROL PANEL

Please connect the Sensor with Control Panel before use:

1. Make sure the Control Panel is under pairing state (please refer to the relative user manual)
2. Knock once on the surface of the sensor to simulate an alarm (LED flashes once), when a beep is heard from the control panel, it has been successful.

SPECIFICATIONS

Power Supply	DC 3V (AAA LR03 1.5V Battery x2pcs)
Static Current	<29uA
Alarm Current	<22.2mA
Transmitting Distance	100m (in open area)
Radio Frequency	433.92MHz
Housing Material	ABS Plastic
Operation Condition	Temperature: 0°C ~ +55°C Relative Humidity: < 80% non-condensing)
Detector Dimensions (L x W x H)	54 x 14.5 x 107mm

NOTES:
