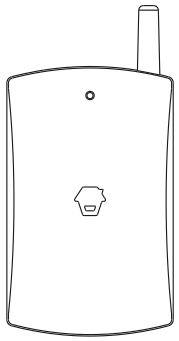
Wireless Vibration Detector

WD-80

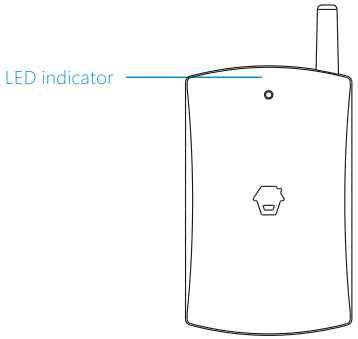
User Manual



Introduction

The Wireless Vibration Detector adopts the theory of vibration, touch and motion mode. Once it detects any vibration, it will automatically send wireless signal to the control panel for alarm. It is widely used for object with a solid or thick structure, like safe and so on. Its vibrating sensitivity can be adjusted in three levels thus it can prevent false alarm effectively. Two pieces of AAA 1.5V LR03 batteries are included in the detector, which enables 12 months standby.

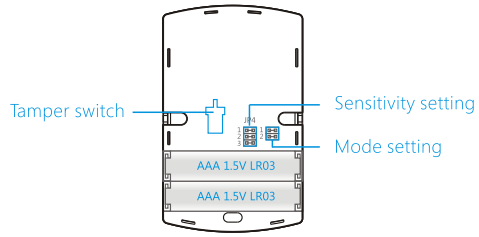
Product Overview



LED Indication

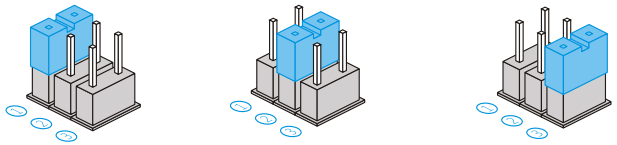
Flash once: Intrusion detected, sending wireless signal to the control panel.
Flash once every 2 seconds: Low battery, please replace the battery immediately.

PCB Layout



Sensitivity Setting

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



High sensitivity　　Medium Sensitivity　　Low sensitivity

Mode Setting

Normal Zone　　24-Hour Zone

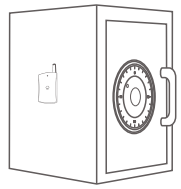
Normal Zone: In armed or home mode state, the system will alarm immediately once the sensors in normal zone is triggered.
24-Hour Zone: The system will alarm immediately once the 24-hour zone detector is triggered. 24-hour zone setting is recommended for detectors such as smoke detector, gas detector, IR beam detectors which needs protection for 24 hours.

Connecting to the Control Panel

Make sure the control panel is under learning status, press the tamper switch or simulate an alarm case. When signal is received and one beep is heard, they are connected successfully.

Installation

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



Note: The judge conditions of a vibration signal are relative to its strength, frequency and duration.

Specifications

Power Supply　DC 3V (AAA 1.5V LR03 x 2 PCS)
Static Current　⩽29 uA
Alarm Current　⩽22.2 mA
Transmitting Distance　⩽100m (in open area)
Radio Frequency　433.92MHz (±75KHz)
Housing Material　ABS plastic
Operation Condition　Temperature　-10°C~+55°C
Relative Humidity　⩽80% (non-condensing)
Detector Dimensions (L x W x H)　54 X 14.5 X 107mm

Ver: WD-80-UM-EN-V1.0