wolf guard ZD-01

Wolf-Guard ZD-01 Wireless Vibration Detector

User Manual

1. Product Overview

The Wolf-Guard ZD-01 is a wireless vibration detector designed to enhance the security of your home alarm system. It is specifically engineered to detect vibrations caused by glass breakage, providing an early warning against intruders attempting to gain entry by shattering windows or glass doors. Unlike traditional contact sensors, this device offers protection even if a window is not forced open but broken instead.



Figure 1: Front view of the Wolf-Guard ZD-01 Wireless Vibration Detector, showing its compact white casing and two red indicator lights.

2. Features

- **Wireless Connectivity:** Operates wirelessly, sending signals to your alarm host.
- **Vibration Detection:** Specifically designed to detect vibrations from glass being shaken or broken.
- **Compact Design:** Small dimensions for discreet placement.
- **Battery Powered:** Uses a 12V 23A dry cell battery for easy installation without wiring.
- **High Frequency Emission:** Operates at 433 MHz for reliable signal transmission.

3. Package Contents

Upon opening the package, please verify that all components are present and in good condition:

- 1 x Wolf-Guard ZD-01 Wireless Vibration Detector
- 1 x 12V 23A Dry Cell Battery (pre-installed or separate)
- Mounting accessories (e.g., adhesive tape, screws - *may vary*)

4. Specifications

Parameter	Value
Model Number	ZD-01
Dimensions (L x W x H)	7.11 x 3.56 x 1.52 cm (2.8 x 1.4 x 0.6 inches)
Weight	30 grams
Power Source	12V 23A Dry Cell Battery (Alkaline)
Emission Frequency	433 MHz
Alarm Style	Vibration + Wireless Signal
Compatible Devices	Home Security Alarm Systems
Maximum Range	12 Miles (Wireless signal range, subject to environmental factors)

5. Setup and Installation

1. **Battery Installation:** If the battery is not pre-installed, open the battery compartment (usually on the back or side) and insert the 12V 23A dry cell battery, observing the correct polarity (+/-).
2. **Placement Selection:** Choose a window or glass surface that you wish to protect. The detector should be mounted directly on the glass or the window frame, close to the glass. For optimal performance, place it on the pane most likely to be broken.
3. **Cleaning Surface:** Ensure the mounting surface is clean, dry, and free of dust or grease.
4. **Mounting:** Use the provided adhesive tape or screws to securely attach the detector. For adhesive

mounting, press firmly for at least 30 seconds.

5. **Pairing with Alarm Host:** Refer to your main alarm system's manual for instructions on how to add a new wireless sensor. Typically, this involves putting the alarm host into "learning" or "pairing" mode and then triggering the vibration detector (e.g., by gently tapping the glass it's attached to) to send a signal. The alarm host should confirm successful pairing.



Figure 2: The ZD-01 detector shown installed on a window frame, illustrating typical placement for glass break detection.

6. Operation

Once successfully paired with your alarm system, the Wolf-Guard ZD-01 operates automatically:

- **Detection:** The sensor continuously monitors for vibrations on the surface it is attached to.
- **Triggering Alarm:** If significant vibrations, characteristic of glass being shaken or broken, are detected, the sensor will immediately transmit a wireless signal to your alarm host.
- **Indicator Lights:** The red indicator lights on the detector may flash briefly upon detection or transmission, confirming its operation.
- **System Response:** Your alarm host will then process this signal according to its programmed settings, which may include sounding an alarm, sending notifications to your phone, or alerting a monitoring service.



Figure 3: Angled view of the ZD-01 detector, highlighting its compact and unobtrusive design.

7. Maintenance

- **Battery Replacement:** The 12V 23A battery typically lasts for an extended period. If the detector's performance degrades or your alarm system indicates a low battery for this sensor, replace the battery promptly. Use only recommended battery types.
- **Cleaning:** Wipe the detector's surface occasionally with a soft, dry cloth to remove dust. Do not use abrasive cleaners or solvents.
- **Testing:** Periodically test the detector by gently tapping the glass it is protecting to ensure it triggers

your alarm system correctly. Consult your alarm system's manual for safe testing procedures.

8. Troubleshooting

Problem	Possible Cause	Solution
Detector not triggering alarm.	Low battery; Not properly paired with alarm host; Incorrect sensitivity setting (if adjustable); Obstruction to signal.	Replace battery; Re-pair with alarm host; Check alarm host settings for sensor sensitivity; Ensure no large metal objects block signal path.
False alarms.	Excessive vibrations from external sources (e.g., heavy traffic, construction); Detector mounted on an unstable surface.	Adjust sensitivity settings on alarm host (if available); Re-mount detector on a more stable part of the window or frame; Consider alternative sensor types for high-vibration environments.
Indicator lights not working.	Dead battery; Device malfunction.	Replace battery; If problem persists, contact customer support.

9. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your complete Wolf-Guard alarm system or visit the official Wolf-Guard website. Keep your purchase receipt as proof of purchase.
Manufacturer: Chi Tong Da
Brand: Wolf-Guard
For further assistance, please contact Wolf-Guard customer service through their official channels.

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