FIBARO FGDW-002-1

FIBARO FGDW-002-1 Door/Window Sensor 2 with Temperature Sensor User Manual

Model: FGDW-002-1

1. INTRODUCTION

The FIBARO Door/Window Sensor 2 (model FGDW-002-1) is a battery-powered Z-Wave Plus reed sensor designed to monitor the opening and closing status of doors, windows, gates, and garage doors. It also features an integrated temperature sensor, allowing for environmental monitoring. This device enhances smart home capabilities by enabling automatic light control, access control, and property protection systems. Its installation can contribute to increased safety and comfort within a home, and assist in managing energy consumption by detecting open windows or doors.

The sensor is compatible with various Z-Wave smart hubs, including Home Center 2 and Lite, SmartThings, Samsung Connect, Verizon SmartHUB, Homeseer, and Nexia.

2. PRODUCT OVERVIEW

The FIBARO Door/Window Sensor 2 consists of two main components: the sensor unit and a magnet. These components are designed to be mounted on a door or window frame and its moving part, respectively. When the magnet moves away from the sensor unit, it detects an open state.
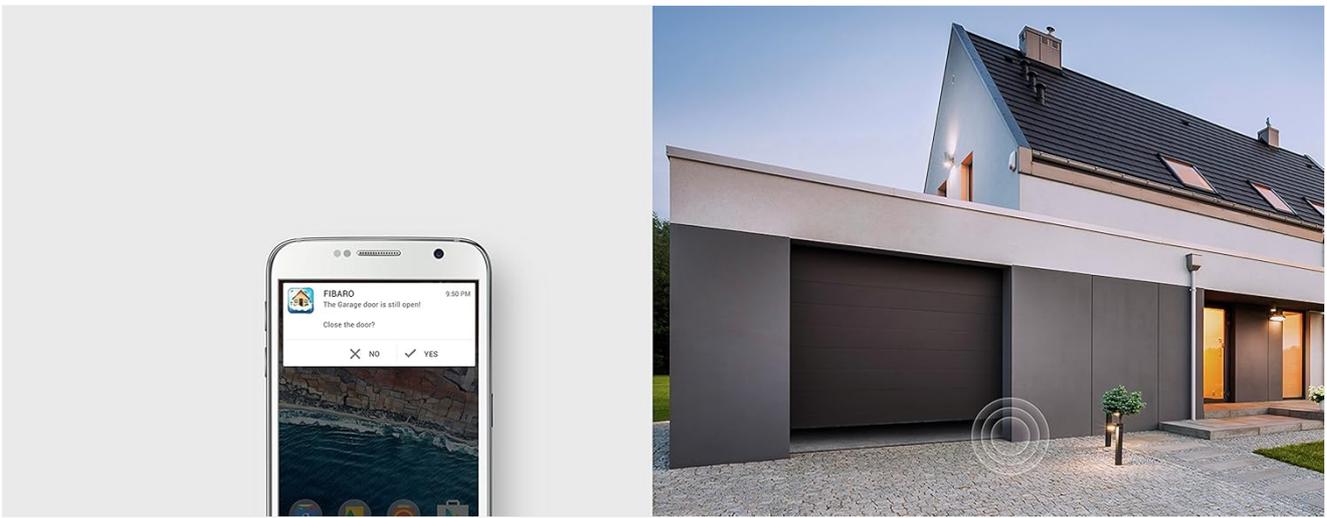
Works with following Z-Wave hubs

FIBARO
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Hubitat®
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powered by FIBARO

HomeSeer

SMART HOME

JEEDOM

eedomus
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ezlo

SmartThings | Aeotec

Figure 2.1: FIBARO Door/Window Sensor 2 packaging, showing the main sensor unit and the smaller magnet component.

Figure 2.2: The FIBARO Door/Window Sensor 2 installed on a window frame, demonstrating its compact and discreet design.
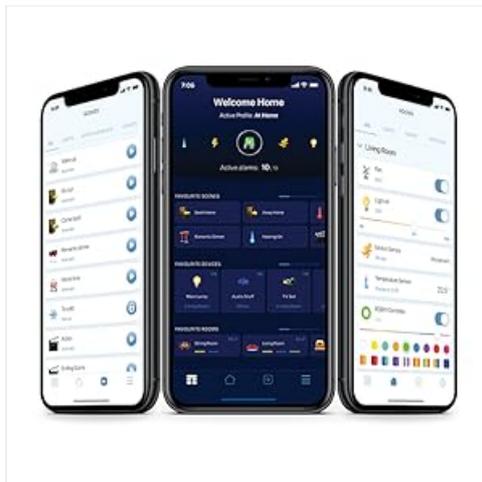

Figure 2.3: The FIBARO Door/Window Sensor 2 on a window, with a smartphone displaying a 'Tamper Detected' notification, indicating enhanced security.

Figure 2.4: The FIBARO Door/Window Sensor 2 installed on a garage door, with a smartphone displaying a 'Garage door is still open!' notification, highlighting its utility for various entry points.

Figure 2.5: A wall-mounted tablet displaying smart home data, potentially including information from the FIBARO Door/Window Sensor 2, such as temperature or open/close status.

Figure 2.6: A smartphone displaying the FIBARO application interface, used for monitoring and controlling smart home devices, including the Door/Window Sensor 2.

Figure 2.7: The FIBARO Home Intelligence logo, representing the brand's smart home ecosystem.

Figure 2.8: An image illustrating the compatibility of FIBARO devices with various Z-Wave hubs, including Fibaro, Hubitat, Stratis, Zipato, Z-Box, HomeSeer, Smart Home, eedomus, ezlo, and SmartThings | Aeotec.

Product Videos

FIBARO Door Window Sensor - best reed sensor there is

Your browser does not support the video tag.

This video provides an overview of the FIBARO Door/Window Sensor, highlighting its features and design. It demonstrates how the sensor functions to monitor doors and windows, and its integration into a smart home system.

3. Setup and Installation

Before installation, ensure you have the following included components:

- FIBARO Door/Window Sensor 2 unit
- Magnet component
- 1x CR123A battery (pre-installed or included separately)
- Mounting tape
- User Manual

3.1. Battery Installation

The sensor requires one CR123A battery. If not pre-installed, open the sensor casing and insert the battery, observing correct polarity. Close the casing securely.

3.2. Mounting the Sensor

The FIBARO Door/Window Sensor 2 is designed for easy mounting using the provided adhesive tape. Choose a clean, dry, and flat surface on your door or window frame.

1. Clean the surface where the sensor and magnet will be mounted.

2. Attach the main sensor unit to the fixed part of the door or window frame.

3. Attach the smaller magnet component to the moving part of the door or window, ensuring it aligns with the sensor unit when the door/window is closed. The gap between the sensor and magnet should be minimal for reliable detection.

4. Press firmly for several seconds to ensure proper adhesion.

3.3. Pairing with a Z-Wave Hub

To integrate the sensor into your smart home system, it must be paired with a compatible Z-Wave hub. Refer to your specific Z-Wave hub's instructions for adding new devices. Generally, the process involves:

1. Place your Z-Wave hub in inclusion (pairing) mode.

2. Activate the sensor's pairing mode (often by pressing a button on the sensor or removing/reinserting the battery). Consult the sensor's quick start guide for exact steps.

3. Confirm successful pairing through your Z-Wave hub's interface.

Compatible hubs include SmartThings, Samsung Connect, Verizon SmartHUB, Homeseer, Nexia, and Fibaro HC2/HCL.

4. OPERATING INSTRUCTIONS

Once installed and paired, the FIBARO Door/Window Sensor 2 provides real-time status updates to your Z-Wave hub.

4.1. Monitoring Open/Close Status

The sensor detects when a door, window, or other monitored entry point is opened or closed. This information is transmitted to your Z-Wave hub and can be viewed via your smart home app. You can configure notifications to alert you when a specific entry point changes status.

4.2. Temperature Sensing

The integrated temperature sensor reports the ambient temperature of its location. This data can be used for various smart home automations, such as adjusting thermostats or triggering alerts if temperatures fall outside a desired range.

4.3. Tamper Detection

The sensor includes a built-in tamper sensor. If the sensor casing is opened or removed from its mounting surface, an alert can be sent to your Z-Wave hub, providing an additional layer of security.

4.4. Scene Activation

Through your Z-Wave hub, you can create automated scenes based on the sensor's status. For example:

- Turn on lights when a door opens.
- Adjust heating/cooling when a window is left open.
- Trigger an alarm if a door or window opens while the security system is armed.

5. MAINTENANCE

5.1. Battery Replacement

The FIBARO Door/Window Sensor 2 is powered by a CR123A battery, which typically lasts up to 24 months. When the battery level is low, your Z-Wave hub should report this status. To replace the battery:

1. Carefully detach the sensor unit from its mounting surface.
2. Open the sensor casing.
3. Remove the old CR123A battery.
4. Insert a new CR123A battery, ensuring correct polarity.
5. Close the casing and reattach the sensor to its mounting surface.

Note: Dispose of used batteries according to local regulations.

6. TROUBLESHOOTING

If you encounter issues with your FIBARO Door/Window Sensor 2, consider the following common solutions:

- **Sensor not reporting status:**

  - Check the battery level in your Z-Wave app. Replace the battery if low.
  - Ensure the sensor and magnet are properly aligned and within close proximity when the door/window is closed.
  - Verify the sensor is still paired with your Z-Wave hub. If not, attempt to re-pair it.
  - Check the distance between the sensor and the Z-Wave hub. Z-Wave signals can be affected by obstacles.

- **Adhesive not holding:**

  - Ensure the mounting surface was clean and dry before application.
  - For rough or uneven surfaces, or if the original adhesive fails, use a stronger double-sided tape or consider alternative mounting methods if available.

- **Flaky tamper switch:**

  - Ensure the sensor casing is closed correctly and the internal tamper button is fully depressed.
  - If the issue persists, contact support.

- **Sensor not working with specific hub (e.g., Nexia):**

  - While the product is generally compatible with many Z-Wave hubs, specific integrations can vary. Ensure your hub's firmware is up to date.
  - Perform a factory reset on the sensor (refer to the sensor's specific manual for the reset procedure, which often involves holding tamper buttons while inserting the battery). Then attempt re-pairing.
  - Consult the support resources for your specific Z-Wave hub or FIBARO for detailed compatibility and integration guides.

7. SPECIFICATIONS

Feature	Detail
Brand	FIBARO
Model Number	FGDW-002-1

Color	White
Power Source	Battery Powered
Battery Type	1 CR123A (included)
Battery Life	Up to 24 months
Maximum Range	130 Feet
Mounting Type	Door Mount
Material	Plastic
Item Weight	1.44 ounces
Product Dimensions	2.75 x 0.7 x 0.7 inches
Compatible Devices	SmartThings, Samsung Connect, Verizon SmartHUB, Homeseer, Nexia, Fibaro HC2/HCL
Certifications	UL certified (UL E364701), Z-Wave Plus certified (zc10-17035512)
GTIN (UPC)	00857934005553

8. WARRANTY AND SUPPORT

8.1. Warranty Information

The FIBARO Door/Window Sensor 2 comes with a 1-year warranty. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty documentation provided with your product or visit the official FIBARO website.

8.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact FIBARO customer support. Contact details can typically be found on the FIBARO official website or in the product packaging.