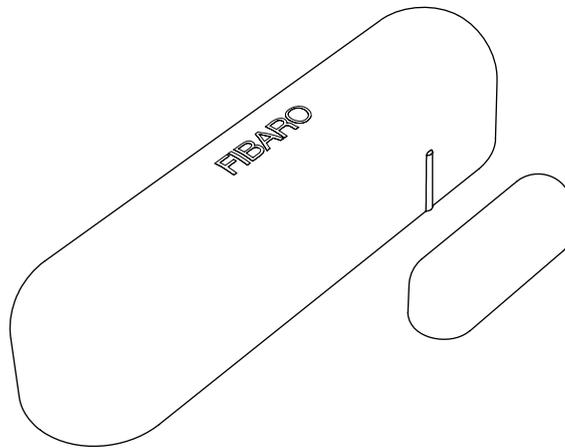




# OPERATING MANUAL

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## FIBARO DOOR/WINDOW SENSOR FGBHDW-002



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v1.1

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## Important safety information



### **Read this manual before attempting to install the device!**

Failure to observe recommendations included in this manual may be dangerous or cause a violation of the law. The manufacturer, Fibar Group S.A. will not be held responsible for any loss or damage resulting from not following the instructions of operating manual.

## HomeKit technology

**Apple HomeKit** technology provides an easy, secure way to control HomeKit-enabled accessories using Siri on your iPhone, iPad, or iPod touch.

After installing your **FIBARO Door/Window Sensor**, configure it from a compatible app with just a few simple steps.

You can even create your own custom scenes to control your home settings. For example, you can create a scene to automatically turn off the lights, lock your doors, close the garage door, and set the thermostat to the desired temperature in just one step.



To control this HomeKit-enabled accessory, iOS 9.3.5 or later is recommended.

Controlling this HomeKit-enabled accessory automatically and away from home requires an Apple TV with tvOS 9.2 or later or an iPad with iOS 9.3 or later set up as a home hub.

## #1: Description and features

**FIBARO Door/Window Sensor** is a HomeKit-enabled Hall effect sensor using *Bluetooth*<sup>®</sup> low energy technology.

Along with detecting opening/closing, the accessory measures the ambient temperature.

Opening is detected by separating the sensor's body and the magnet.

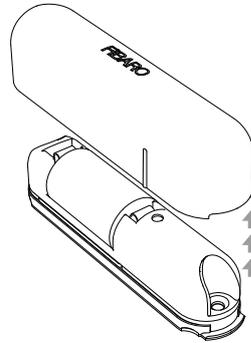
Tampering is detected whenever the accessory is detached from the surface or casing is opened.

### **Main features of FIBARO Door/Window Sensor:**

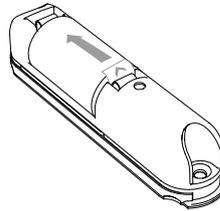
- compatible with Apple HomeKit technology
- *Bluetooth*<sup>®</sup> low energy technology for wireless communication
- detects opening/closing using Hall effect sensor
- measures ambient temperature
- detects tampering
- easily mounted on doors, windows, garage gates and roller blinds
- battery powered
- indicates state using LED diode
- 7 color variations

## #2: Powering the accessory

1. Open the cover.



2. Remove the battery blocker.



3. The accessory will glow blue for 1.5 seconds – it is ready to be paired.
4. Close the cover paying attention to the correct orientation of the cover and sensor's body.

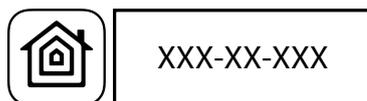


**i** **NOTE**

If after powering accessory blinks three times, it is already paired and has to be reset to pair again.

## #3: Pairing the accessory

1. Open the Settings app on your iOS device.
2. Go to the *Bluetooth*® section and turn the *Bluetooth*® on.
3. Place the accessory next to your iOS device.
4. Open a HomeKit compatible app of your choosing on your iOS device.
5. Open pairing window in your HomeKit app to detect available accessories.
6. Choose the Door/Window Sensor you wish to pair.
7. You can identify it - the Door/Window Sensor will triple blink blue 3 times.
8. Find HomeKit Setup Code on the last page of *Quick Start Guide* included in the box that looks like this:



9. Start pairing with your HomeKit app.
10. Point your iOS device's camera at the Setup Code to scan it or enter the Setup Code manually.
11. If entered Setup Code is valid, the device will complete the setup process.
12. Follow instructions displayed in the application.

### NOTE

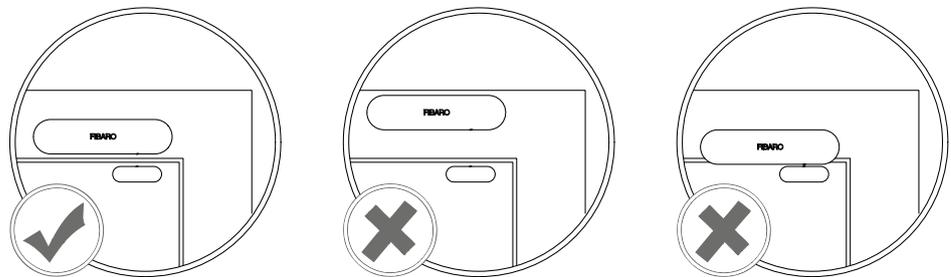
Remember to keep your HomeKit Setup Code in safe place. You may need it in case of re-pairing.

## #4: Physical installation

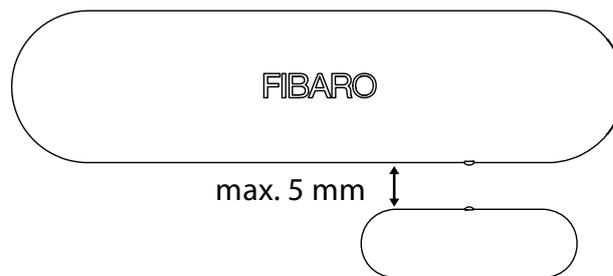
### To install the Door/Window Sensor:

1. Peel off the protective layer from the sticker on the accessory.
2. Stick the accessory onto the door/window frame.
3. Peel off the protective layer from the sticker on the magnet.
4. Stick the magnet onto the moving part of the door/window, no further than 5mm from the sensor.

### Positioning of the Sensor and the magnet:



### Correct positioning of the magnet in relation to the Sensor: (vertical line marks should align)

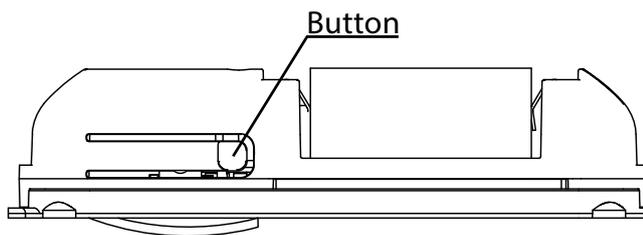


## #5: Reset

### Resetting the Door/Window Sensor to factory defaults:

Reset procedure allows to restore the accessory back to its factory settings including HomeKit pairing.

1. Open the cover.
2. Press the button 3 times then press and hold the button.



3. Wait for the LED indicator to glow.
4. Release the button.
5. Click the button to confirm.
6. Accessory will glow blue for 1.5 seconds to confirm reset.
7. Delete the accessory from the app before pairing it again.

## #6: Functionalities

### **Opening/closing detection:**

The Door/Window Sensor detects opening/closing using Hall effect sensor and reports it to your iOS device.

Opening is detected by separating the sensor's body and the magnet. Changing the state is indicated with one blink.

### **Tamper detection:**

The Door/Window Sensor detects tampering whenever the accessory is detached from the surface or casing is opened and reports it to your iOS device. Tampering is indicated with two blinks.

### **Temperature measuring:**

The Door/Window Sensor measures ambient temperature every 10 minutes. If the measured temperature differs from previously reported by at least 1°C (1.8°F), accessory reports it to your iOS device.

### **Battery level measuring:**

The Door/Window Sensor measures battery level every 24 hours and reports it to your iOS device. Additionally, if battery level is below 15%, the accessory will report low level battery status to your iOS device.

## #7: Configurable parameters

### 1. Opening/closing detection – LED indication

This parameter allows choose if opening/closing is indicated by the built-in LED diode.

Available settings:	<b>0</b> – indications disabled <b>1</b> – indications enabled
Default setting:	<b>1</b> (indications enabled)

### 2. Door/window state

This parameter allows to set in what state is door/window when the magnet is close to the sensor.

Available settings:	<b>0</b> – closed when magnet near <b>1</b> – opened when magnet near
Default setting:	<b>0</b> (closed when magnet near)

## #8: Specifications



### CAUTION

Using batteries other than specified may result in explosion. Dispose of properly, observing environmental protection rules.

Power supply:	3.6V DC battery
Battery type:	ER14250 ½ AA
EU directives compliance:	RoHS 2011/65/EU RED 2014/53/EU
Radio protocol:	<i>Bluetooth</i> ® low energy
Radio frequency:	2.4 GHz
Range:	up to 50m (free range) (164 feet)
Operating temperature:	0-40°C (32-104°F)
Temperature measuring range:	0-40°C (32-104°F)
Temperature measuring accuracy:	±0.5°C (±0.9°F)
Dimensions (L x W x H):	71 x 18 x 18 mm (2.8 x 0.7 x 0.7 inch)

## #9: Regulations

### **This device complies with Part 15 of the FCC Rules**

Operation is subject to the following two conditions:

1. This device may not cause harmful interference
2. This device must accept any interference received, including interference that may cause undesired operation. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **Note**

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission's rules.

### **Industry Canada (IC) Compliance Notice**

This device complies with Industry Canada license-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux normes d'exemption de licence RSS d'Industry Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement.

### **Radio frequency (RF) exposure statement**

This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body.

Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps.

## **DGT Warning Statement**

### **Article 12**

Without permission, any company, firm or user shall not alter the frequency, increase the power, or change the characteristics and functions of the original design of the certified lower power frequency electric machinery.

### **Article 14**

The application of low power frequency electric machineries shall not affect the navigation safety nor interfere a legal communication, if an interference is found, the service will be suspended until improvement is made and the interference no longer exists.

#### **第十二條**

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

#### **第十四條**

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

## **Legal Notices**

All information, including, but not limited to, information regarding the features, functionality, and/or other product specification are subject to change without notice. Fibar reserves all rights to revise or update its products, software, or documentation without any obligation to notify any individual or entity.

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The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Fibar Group S.A. is under license.

Apple, iPhone, iPad, iPad Air, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. HomeKit is a trademark of Apple Inc.

All other brands and product names referred to herein are trademarks of their respective holders.

Use of the Works with Apple HomeKit logo means that an electronic accessory has been designed to connect specifically to iPod touch, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

## **Warning**

This product is not a toy. Keep away from children and animals!

### Declaration of conformity

 Hereby, Fibar Group S.A. declares that the device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [www.manuals.fibaro.com](http://www.manuals.fibaro.com)

### WEEE Directive Compliance



Device labelled with this symbol should not be disposed with other household wastes. It shall be handed over to the applicable collection point for the recycling of waste electrical and electronic equipment.

**EAC**