

SONOFF DW2 WIFI

SONOFF DW2 Wi-Fi Wireless Door Window Sensor User Manual

Model: DW2 WIFI | Brand: SONOFF

1. INTRODUCTION

The SONOFF DW2 Wi-Fi Wireless Door Window Sensor is a smart home device designed to enhance security and automation by detecting the open/closed status of doors and windows. This sensor operates without the need for a separate gateway, connecting directly to your Wi-Fi network and allowing control and monitoring via a mobile application. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance of your device.

2. PRODUCT OVERVIEW

2.1 Components

The SONOFF DW2 sensor consists of two main parts: a main sensor unit and a magnetic strip. These components work together to detect changes in proximity, indicating whether a door or window is open or closed.



Image: The SONOFF DW2 sensor units shown alongside a smartphone displaying the eWeLink app interface, indicating the sensor's status.

2.2 Key Features

- **No Gateway Required:** Connects directly to your Wi-Fi network (2.4GHz) for easy setup and control via the eWeLink app.
- **Real-time Status Sync:** Provides instant updates on the open/closed status of your doors or windows directly to your smartphone.
- **Push Notifications:** Sends immediate alerts to your phone when a door or window is opened, enhancing security.
- **Low-Battery Reminder:** Notifies you when the battery level is low, ensuring continuous operation.
- **Easy Installation:** Tool-free installation using 3M adhesive, suitable for various surfaces.
- **History Records Check:** Automatically saves notification messages, allowing you to review activity over the last 3 months.
- **Smart Scene Integration:** Can be integrated with other SONOFF devices or smart home systems (e.g., cameras) to trigger actions based on sensor status.



Image: Visual representation of the SONOFF DW2's main features, including direct Wi-Fi connection, push notifications, low-battery alerts, simple installation, and smart scene compatibility.

3. SETUP

3.1 Before Installation

- Ensure your Wi-Fi network is 2.4GHz. The device does not support 5GHz Wi-Fi.
- Download the eWeLink app from the App Store (iOS) or Google Play Store (Android).
- Register and log in to your eWeLink account.
- Ensure the sensor has fresh batteries installed (2 x AAA 1.5V batteries).

3.2 Physical Installation

1. Identify a suitable location on your door or window frame. The main sensor unit and the magnetic strip must be mounted on adjacent surfaces (e.g., one on the door and one on the frame).
2. Clean the installation surface thoroughly to ensure proper adhesion.
3. Peel off the protective film from the 3M adhesive on the back of both the main sensor unit and the magnetic strip.
4. Attach the main sensor unit to the fixed part of the door/window frame.
5. Attach the magnetic strip to the moving part of the door/window, aligning it with the main sensor unit. Ensure

the alignment marks on both parts face each other.

6. The gap between the main sensor unit and the magnetic strip must be less than 5mm when the door/window is closed for proper operation. This is recommended for non-metallic surfaces.



Image: A close-up view of the SONOFF DW2 sensor installed on a door frame, illustrating the recommended installation gap of less than 5mm between the main unit and the magnetic component.

3.3 Device Pairing with eWeLink App

1. Open the eWeLink app on your smartphone.
2. Ensure your phone is connected to the 2.4GHz Wi-Fi network you intend to use for the sensor.
3. Press and hold the pairing button on the main sensor unit for 5 seconds until the LED indicator flashes rapidly. This indicates the device is in pairing mode.
4. In the eWeLink app, tap the '+' icon at the bottom center or top right to add a device.
5. Select 'Add Device' and follow the on-screen instructions. The app should detect the DW2 sensor.
6. Confirm your Wi-Fi network and enter the password when prompted.
7. Wait for the app to connect to the device. Once successfully paired, the LED indicator on the sensor will stop flashing and remain solid for a few seconds before turning off.
8. You can rename the device in the app for easier identification (e.g., 'Front Door Sensor', 'Bedroom Window').

No Hub Required

Paired with eWeLink App and controlled directly



Image: The SONOFF DW2 sensor installed on a door frame, with a smartphone displaying the eWeLink app, emphasizing that no separate hub is needed for operation.

4. OPERATING INSTRUCTIONS

4.1 Monitoring Device Status

Once paired, you can view the real-time status of your door/window sensor directly from the eWeLink app. The app will display whether the sensor is 'Open' or 'Closed'.

4.2 Receiving Notifications

The sensor is configured to send push notifications to your smartphone whenever the door or window it is attached to changes status (e.g., opens). Ensure notifications are enabled for the eWeLink app in your phone's settings.

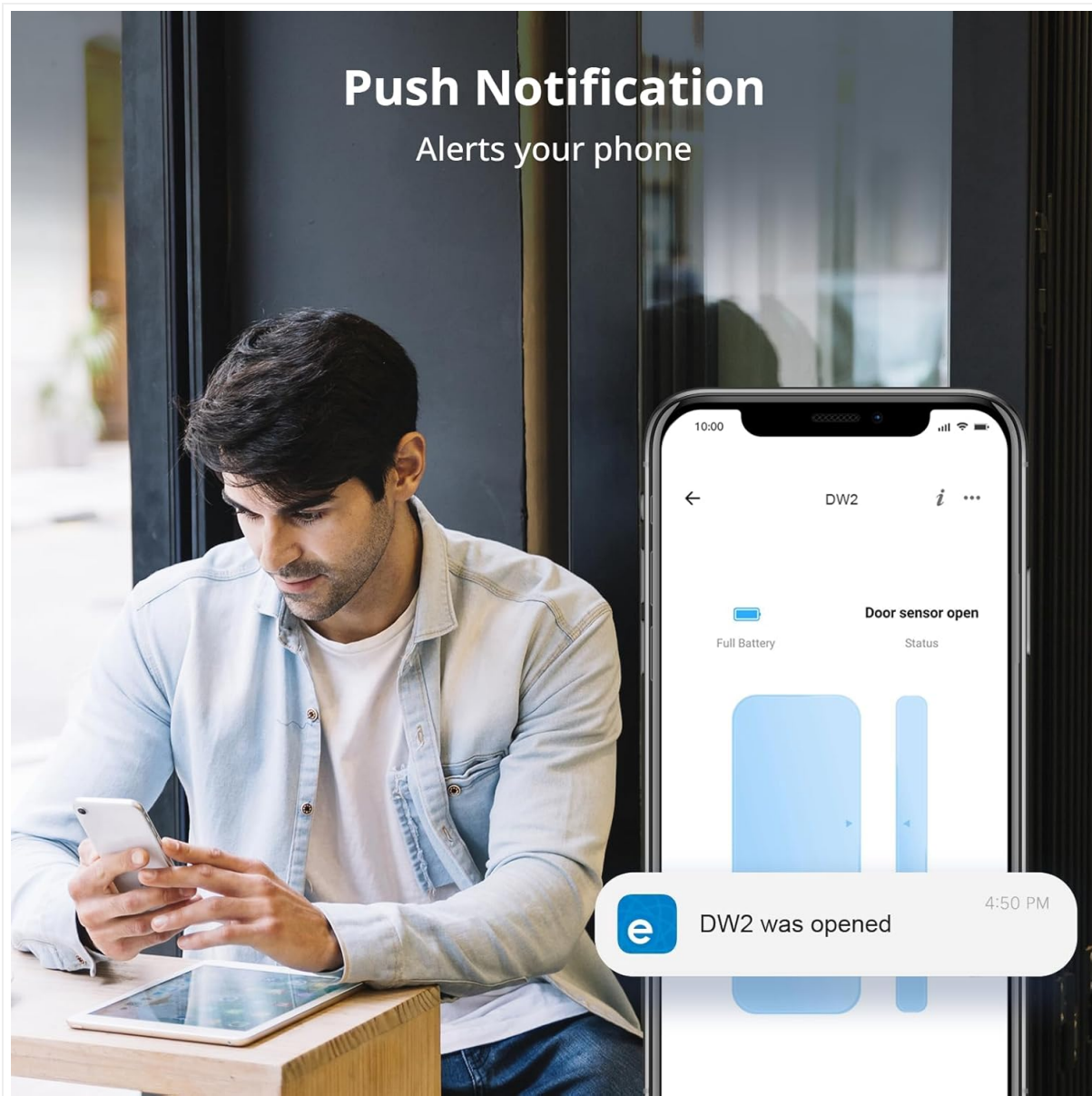


Image: A person checking their smartphone, which displays a push notification from the eWeLink app indicating that the DW2 sensor has detected an opening event.

4.3 Smart Scene Automation

The SONOFF DW2 sensor can be integrated into smart scenes within the eWeLink app to automate actions with other smart devices. For example:

- Trigger a SONOFF camera to record when the door sensor detects an opening.
- Turn on lights when a door is opened.
- Activate an alarm or send a notification to other family members.

Be Safer with Smart Scene



Image: An illustration of a smart home security scenario where a SONOFF DW2 sensor triggers a camera recording and a hub alarm when a door is opened, demonstrating smart scene functionality.

4.4 Voice Control

The SONOFF DW2 is compatible with voice assistants like Google Home and Amazon Alexa. You can link your eWeLink account to these platforms and use voice commands to inquire about the sensor's status (e.g., "Hey Google, is the front door open?").

"Ask" to check device status



Image: A visual demonstrating the voice control capability of the SONOFF DW2 sensor, showing integration with Google Home and Amazon Alexa for checking device status.

5. MAINTENANCE

5.1 Battery Replacement

The SONOFF DW2 sensor is powered by two AAA 1.5V batteries. The eWeLink app will send a low-battery reminder when replacement is needed.

Low-battery Reminder



Image: A smartphone screen showing a low-battery notification from the eWeLink app for the DW2 sensor, prompting the user to replace batteries.

1. Gently open the casing of the main sensor unit.
2. Remove the old AAA batteries.
3. Insert two new AAA 1.5V batteries, ensuring correct polarity.
4. Close the casing securely.

5.2 Cleaning

Wipe the sensor units with a dry, soft cloth. Avoid using liquid cleaners or abrasive materials.

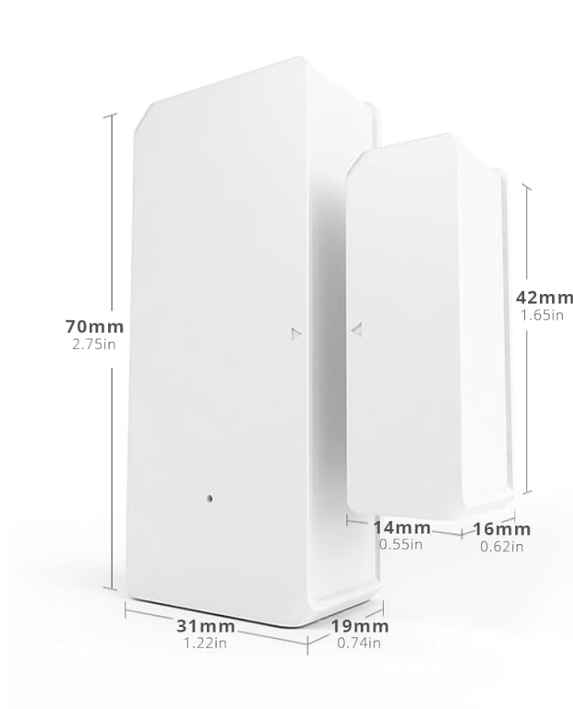
6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device fails to pair with app	Incorrect Wi-Fi band (5GHz instead of 2.4GHz), incorrect Wi-Fi password, Wi-Fi router settings (e.g., 'b' protocol not enabled), device not in pairing mode.	Ensure your phone is connected to a 2.4GHz Wi-Fi network. Verify Wi-Fi password. Check router settings to ensure 802.11b protocol is supported/enabled. Re-enter pairing mode by holding the button for 5 seconds. Try pairing via Bluetooth option in eWeLink if available.
Sensor not reporting status changes	Low battery, incorrect installation gap, Wi-Fi connectivity issues.	Check battery level in the app and replace if low. Ensure the gap between the sensor and magnet is less than 5mm. Verify Wi-Fi signal strength at the sensor's location.
No push notifications	App notifications disabled, phone's power saving mode, network issues.	Check eWeLink app settings and phone's system settings to ensure notifications are enabled. Disable power-saving modes for the app. Ensure stable internet connection.
Device disconnects after power/Wi-Fi outage	Temporary network disruption.	Remove and reinsert the batteries to power cycle the sensor. This often helps re-establish the connection after a network interruption.
Short battery life	Frequent triggers, poor quality batteries, extreme temperatures.	Use high-quality alkaline batteries. Consider the placement to avoid excessive triggering. Ensure the operating temperature is within the specified range.

7. SPECIFICATIONS

Specification



Battery model	AAA 1.5V
Emission current	≤15mA
Installation gap	<5mm
Working voltage	DC3V (2 x 1.5V battery)
Wi-Fi	IEEE 802.11 b 2.4GHz
Working temperature	-10°C~40°C
Quiescent current	≤40uA
Operating systems	(Android 4.1 & iOS 9.0) or higher
Material	PC

Image: A detailed diagram showing the physical dimensions and technical specifications of the SONOFF DW2 sensor.

Parameter	Value
Model	DW2 WIFI
Battery Model	AAA 1.5V (x2)
Working Voltage	DC3V
Wi-Fi Standard	IEEE 802.11 b 2.4GHz
Working Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Quiescent Current	≤40uA
Emission Current	≤15mA
Installation Gap	<5mm
Operating Systems	Android 4.1 & iOS 9.0 or higher

Parameter	Value
Material	PC
Transmitter Dimensions	70 x 31 x 19 mm (2.75 x 1.22 x 0.75 inches)
Magnet Dimensions	42 x 14 x 16 mm (1.65 x 0.55 x 0.62 inches)

8. WARRANTY AND SUPPORT

For warranty information, technical support, and further assistance, please refer to the official SONOFF website or contact their customer service directly. Details regarding product warranty periods and support channels are typically available on the manufacturer's official resources.

Related Documents - DW2 WIFI

	SONOFF DW2-Wi-Fi Wireless Door/Window Sensor Quick Guide & Specifications Official quick start guide and technical specifications for the SONOFF DW2-Wi-Fi Wireless Door/Window Sensor. Learn about installation, setup, features, and compliance.
	SONOFF DW2-Wi-Fi Wireless Door/Window Sensor Quick Start Guide This guide provides instructions for installing and setting up the SONOFF DW2-Wi-Fi Wireless Door/Window Sensor. Learn how to download the eWeLink app, install batteries, mount the device, enter pairing mode, and add it to your smart home system. Includes compliance information and technical specifications.
	SONOFF DW2-Wi-Fi Wireless Door/Window Sensor User Manual This user manual provides detailed instructions for the SONOFF DW2-Wi-Fi wireless door and window sensor, covering setup, installation, features, specifications, and important warnings.
	SONOFF DW2-RF Wireless Door/Window Sensor User Manual V1.1 User manual for the SONOFF DW2-RF wireless door and window sensor. This document provides instructions on setup, installation, specifications, features, and FCC compliance for the device.



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Czujnik do drzwi i okien Sonoff **DW2 WIFI** Instrukcja obsługi Instrukcja obsługi 1. Pobierz aplikację. 2. Zainstaluj baterie. 2-1. Zdejmij tylną pokrywę nadajnika. 2-2. Włóż baterie do komory baterii zgodnie z identyfikatorami biegunów dodatnich i ujemnych. 2-3. Zamknij tylną pokrywę. Bateria nie jest dołączona...

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SONOFF DW2 WIFI PL ai Náhled * souboru s návodem k obsluze NÁVOD K OBSLUZE Senzor Sonoff okenní dveřní Databáze návodů v češtině senzor sonoff dw2 wifi okenni dverni 113254 locked navod cz preview 114 |||

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Senzor otevření okna/dveří Sonoff DW2-Wifi Nvod k použití revize 1.1 www.chytrobot.cz Informace o produktu * Znacky označuj instalacn pozici vyslace a magnetu pro sprvnou funkci. Dodržujte prosím maximln vzdlenost mezi vyslacetm a magnetem 5 mm. Funkce DW2-Wifi je Wifi nzkoeenergetick bezdrtov snmac ot...

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[\[pdf\]](#) Declaration of Conformity

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[\[pdf\]](#) User Manual Installation Guide

SONOFF DW2 WIFI Wi-Fi Wireless Door User Manual DW2WIFI 2APN5DW2 2APN5DW2WIFI MyPC

DW21 مدیا تلکام DW21 دانیلود سنسور هوشمند درب سونوف مدل mediatelecom ir 2023 07 |||

DW2-Wi-Fi User manual V1.1 Wi-Fi Wireless Door/Window Sensor ----- 1-5 Deutsch ----- 11-15 Français----- 21-25 -----31-35 English----- -----6-10 Español-----16-20 Italiano----- 26-30 FCC Warning----- -3...

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SONOFF DW2 WIFI PL ai Czujnik do drzwi i okien Sonoff Instrukcja obsługi Wi-Fi to bezprzewodowy czujnik, który uruchamia nadajnik poprzez oddzielenie magnesu na ponad 20mm od nadajnika, wtedy wysyłaj obsługę mediaexpert.pl/products/files/383860362 |||

Czujnik do drzwi i okien Sonoff **DW2 WIFI** Instrukcja obsługi Instrukcja obsługi 1. Pobierz aplikację. 2. Zainstaluj baterie. 2-1. Zdejmij tylną pokrywę nadajnika. 2-2. Włóż baterie do komory baterii zgodnie z identyfikatorami biegunów dodatnich i ujemnych. 2-3. Zamknij tylną pokrywę. Bateria nie jest dołączona...

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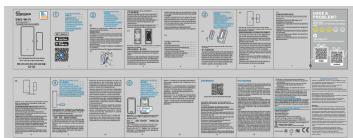


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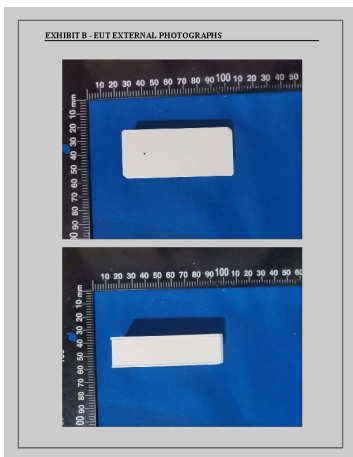


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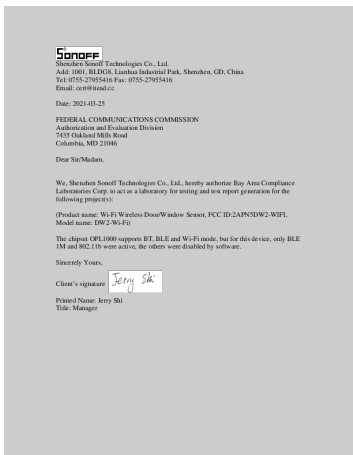


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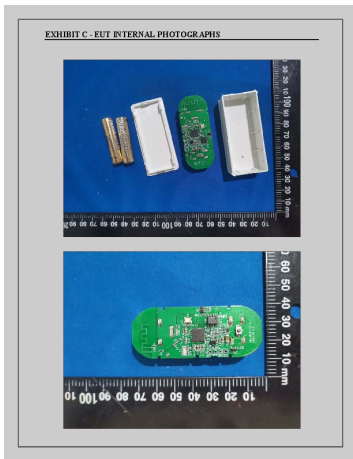


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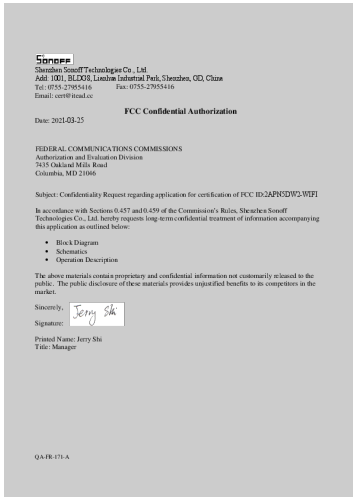


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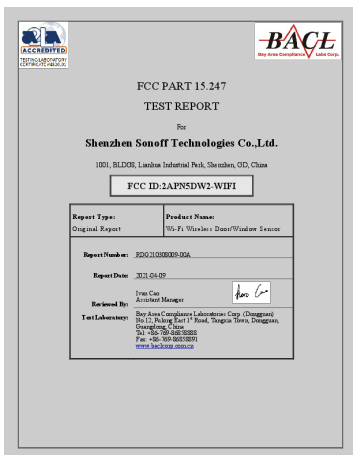


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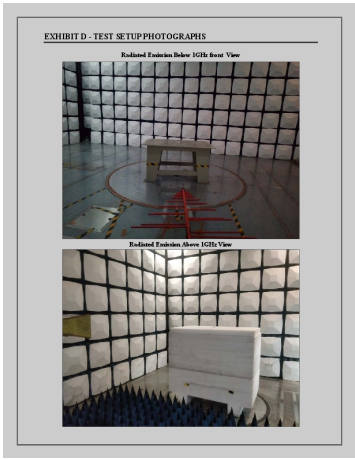


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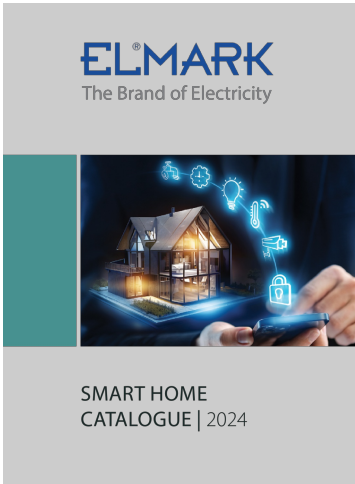


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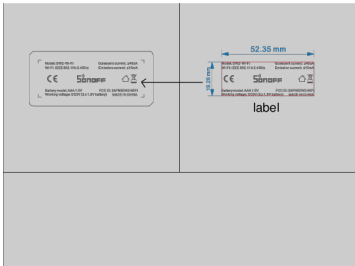
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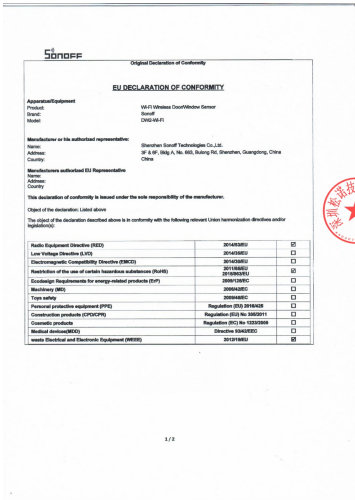


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[EU Declaration of Conformity - Sonoff DW2-Wi-Fi Wireless Door/Window Sensor](#)

Official EU Declaration of Conformity for the Sonoff DW2-Wi-Fi Wireless Door/Window Sensor, confirming compliance with relevant European Union directives and harmonized standards.

lang:en [score:10](#) filesize: 1.72 M page_count: 2 document date: 2023-03-10