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## NIVIAN NV-D3D-U1

# Nivian NV-D3D-U1 Wireless 433 MHz Door and Window Opening Detector

Model: NV-D3D-U1

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Nivian NV-D3D-U1 Wireless 433 MHz Door and Window Opening Detector. This device is designed to enhance the security of your home or business by detecting unauthorized entry through doors and windows. It is compatible with Nivian alarm systems.

## PRODUCT OVERVIEW

### Key Features

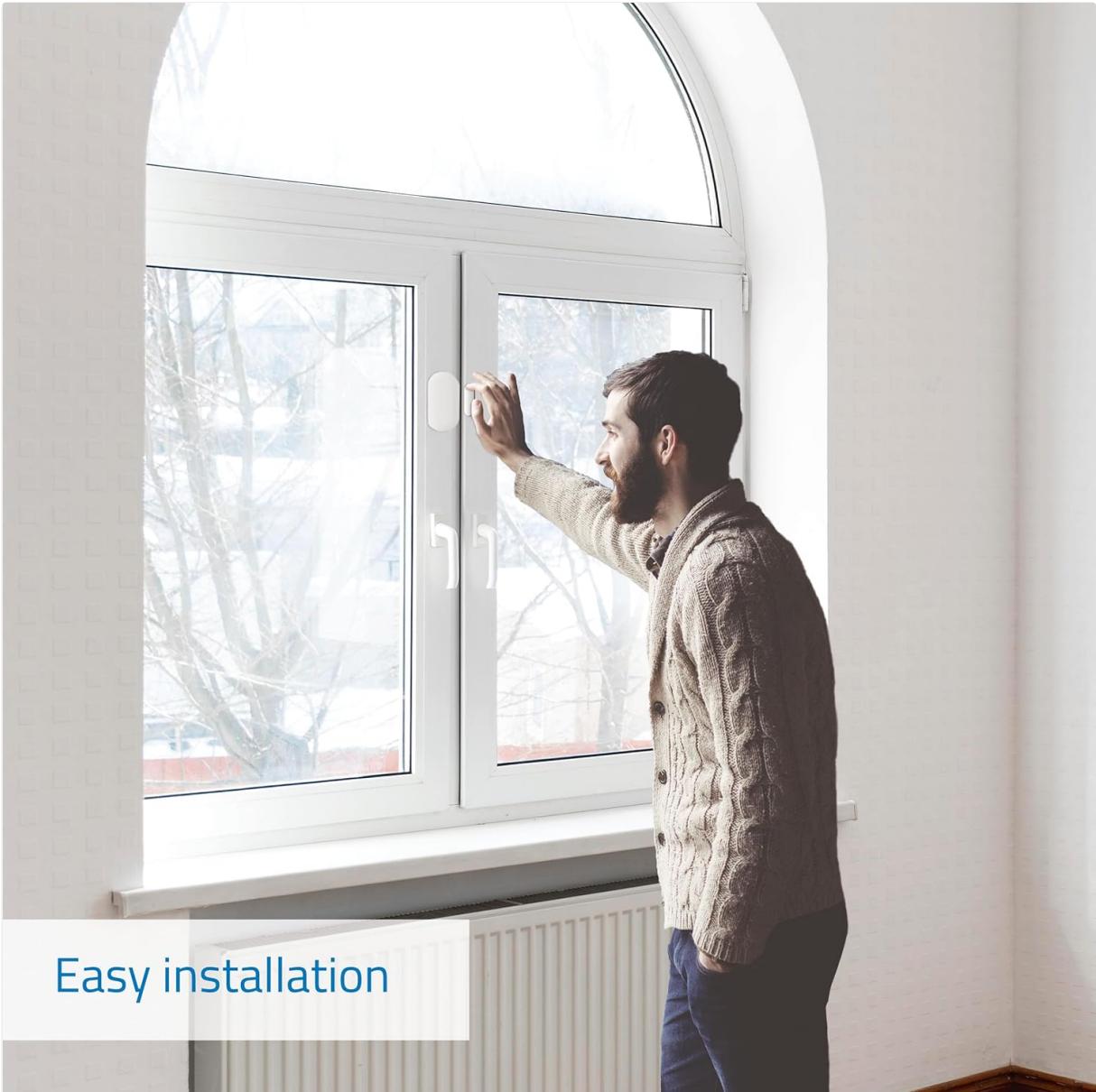
- Wireless 433 MHz connection for reliable communication.
- Battery powered for flexible placement without wiring.
- Anti-tamper function to detect unauthorized removal.
- Easy installation without the need for complex cabling.
- Designed for long-life battery operation.
- Wireless connection range up to 80 meters (in open areas).
- Suitable for indoor use only.

### Components

The Nivian NV-D3D-U1 detector consists of two main parts: the main sensor unit and a magnetic contact unit. These units work together to detect the opening of a door or window.



Image: The Nivian NV-D3D-U1 wireless door and window sensor, composed of a larger main unit and a smaller magnetic contact, displayed on a pedestal. The main unit typically houses the electronics and battery, while the magnetic contact triggers the sensor when separated.



## Easy installation

Image: A visual representation highlighting the core functionalities of the sensor: wireless communication, battery operation, and an anti-tamper mechanism for enhanced security.

## SETUP AND INSTALLATION

### Before Installation

- Ensure your Nivian alarm system is properly set up and ready for device pairing.
- Choose a clean, dry surface on your door or window frame for mounting.
- The sensor is designed for indoor use only.

### Mounting the Sensor

The Nivian NV-D3D-U1 sensor is designed for easy, cable-free installation. It includes three installation supports to accommodate different heights and mounting scenarios.

1. Identify the main sensor unit and the magnetic contact unit.
2. Position the main sensor unit on the fixed frame of the door or window.
3. Position the magnetic contact unit on the moving part of the door or window, aligning it with the main sensor unit. The two units should be no more than 1 cm apart when the door/window is closed.
4. Use the provided adhesive pads or screws for secure mounting. Ensure the units are firmly attached.



Image: A user is shown attaching the Nivian door/window sensor to a window frame, illustrating the straightforward installation process.



Image: A detailed view of the Nivian sensor mounted on a window, highlighting the precise alignment required between the main sensor and the magnetic contact for proper function.

### Pairing with Nivian Alarm System

The detector communicates with your Nivian alarm system via 433 MHz wireless frequency. Refer to your Nivian alarm system's manual for specific instructions on how to add new wireless sensors. Generally, this involves putting the alarm hub into pairing mode and then triggering the door/window sensor (e.g., by separating the two parts) to register it with the system.



Image: The Nivian door/window sensor is depicted alongside a Nivian alarm hub, illustrating their wireless connection.

Note that the alarm hub is a separate component and is not included with the sensor.

For advanced control and notifications, download the TUYA Smart application, available for iOS and Android devices. This application allows you to manage your Nivian smart products and receive immediate alerts.

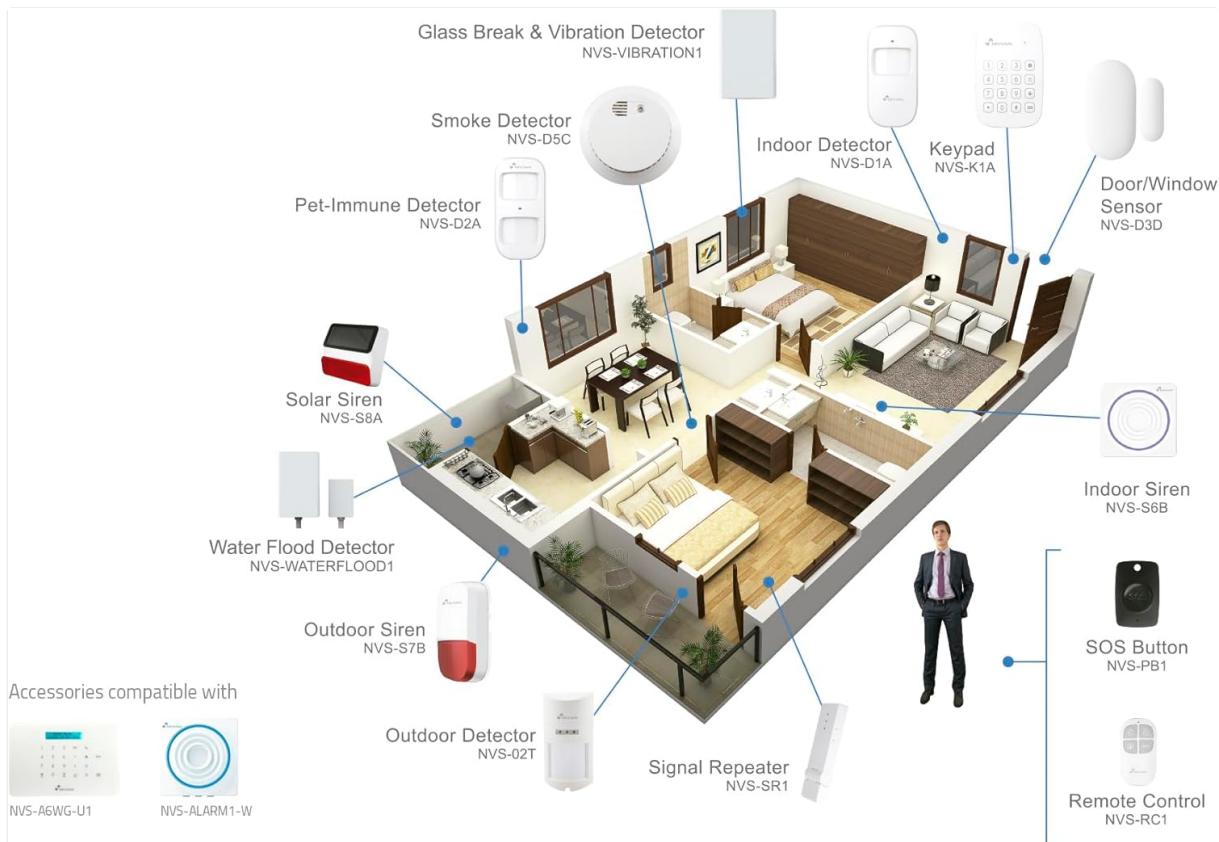


Image: A floor plan diagram showcasing how the Nivian door/window sensor (NVS-D3D) integrates with other Nivian security accessories like keypads, motion detectors, and sirens to form a comprehensive home security system.

## OPERATING INSTRUCTIONS

### Functionality

Once installed and paired, the Nivian NV-D3D-U1 detector monitors the state of your door or window. When the magnetic contact unit separates from the main sensor unit (i.e., the door or window opens), the sensor transmits a signal to your Nivian alarm system.

### Alarm System Response

The alarm system will respond according to its programmed settings. This may include sounding an alarm, sending notifications to your smartphone via the TUYA Smart app, or activating other connected security devices.

### Anti-Tamper Feature

The sensor is equipped with an anti-tamper mechanism. If the main unit is forcibly removed from its mounting surface, it will trigger an alert to your alarm system, providing an additional layer of security.

## MAINTENANCE

### Battery Replacement

The Nivian NV-D3D-U1 is battery-powered. While designed for long battery life, periodic replacement will be necessary. The specific battery type is Lithium-ion. When the battery level is low, your alarm system or the TUYA Smart app may provide a notification. To replace the battery, carefully open the main sensor unit, remove the old battery, and insert a new one, ensuring correct polarity. Batteries are not included with the product.

### Cleaning

Clean the sensor units periodically with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the device.

## Environmental Conditions

Ensure the sensor remains in an indoor environment, away from extreme temperatures, high humidity, and direct water exposure.

## TROUBLESHOOTING

### Sensor Not Responding

- Check Battery:** Ensure the battery is correctly installed and has sufficient charge. Replace if necessary.
- Check Alignment:** Verify that the main sensor unit and the magnetic contact unit are properly aligned and within 1 cm of each other when the door/window is closed.
- Re-pair Sensor:** If the sensor loses connection, try re-pairing it with your Nivian alarm system according to the alarm system's manual.
- Obstructions:** Ensure there are no metallic objects or other obstructions interfering with the wireless signal between the sensor and the alarm hub.

### False Alarms

- Secure Mounting:** Ensure both sensor units are securely mounted and do not shift with vibrations or movement.
- Gap Adjustment:** Confirm the gap between the two units is appropriate when the door/window is closed.

### App Connection Issues

- Alarm Hub Connection:** Ensure your Nivian alarm hub is connected to the internet and functioning correctly.
- TUYA Smart App:** Verify that the TUYA Smart app is updated to the latest version and your smartphone has a stable internet connection.

## TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	NV-D3D-U1
Brand	Nivian
Dimensions (L x W x H)	6.7 x 2.5 x 8.5 cm
Weight	40 grams
Wireless Frequency	433 MHz
Sensor Technology	Contact Sensor
Power Source	Battery powered (Lithium-ion type, not included)
Control Method	Application (TUYA Smart)
Installation Type	Wall mount
Compatible Devices	Nivian Alarm Systems
Operating Environment	Indoor use only

Feature	Detail
Components Included	Door/Window Detector (Main unit and magnetic contact)
Country of Origin	China

## **WARRANTY INFORMATION**

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Specific warranty terms for the Nivian NV-D3D-U1 detector may vary by region and retailer. Please retain your proof of purchase and contact your point of sale or the official Nivian customer support for detailed warranty information.

## **CUSTOMER SUPPORT**

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For further assistance, technical support, or inquiries regarding your Nivian NV-D3D-U1 Door and Window Opening Detector, please visit the official Nivian website or contact their customer service department. You can also find helpful resources and FAQs within the TUYA Smart application.