



Private
Locally Managed
Secure

Privé
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virage

Home Automation
Systems

Systèmes
domotiques



Virage Door Contact

Installation and Setup
Manual

Model DC-001

laboratories inc.



WARNING - ATTENTION

There are many sources of radio frequency noise in the environment, including other devices operating at the same frequency as the Virage Door Contact.

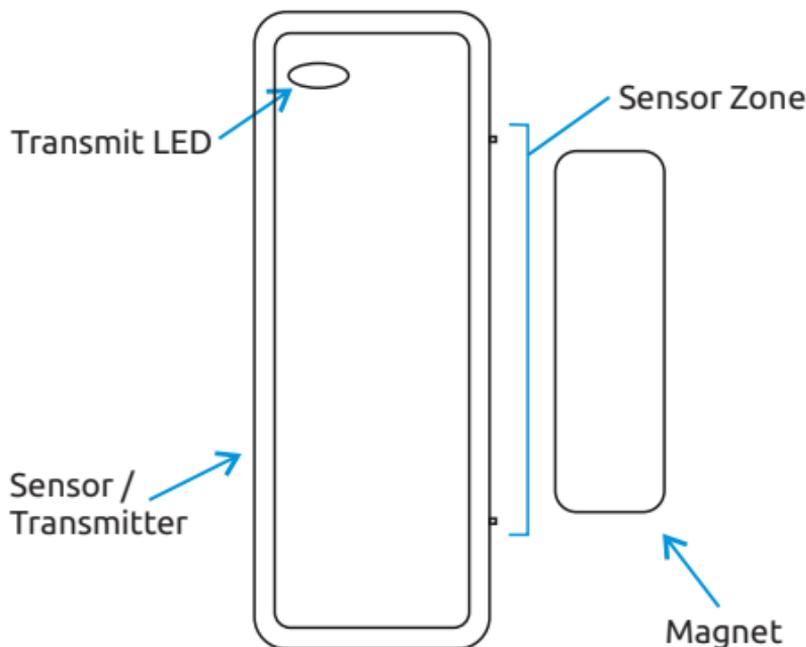
Due to the risk of false signals and/or interference with legitimate signals it is not recommended to rely on the Virage Door Contact for critical safety or security applications.

Before you install, some things to check:

1. This device transmits 433 MHz radio signals. As with all such devices, performance may be limited by:
 - Proximity to metal objects, including ductwork, metal framing, or metal posts and beams in walls
 - Other sources of radio frequency emissions including televisions, microwave ovens, computer equipment or other devices
2. A VirageBridge or similar device is required to use the Virage Door Contact.
3. Depending on the radio transparency of the building, it may be necessary to use multiple VirageBridges or relocate them to optimize signal reception.
4. The Virage Door Contact requires one AAA battery (included). The battery is isolated by a plastic pull tab that must be removed before use.

Get to know your new sensor

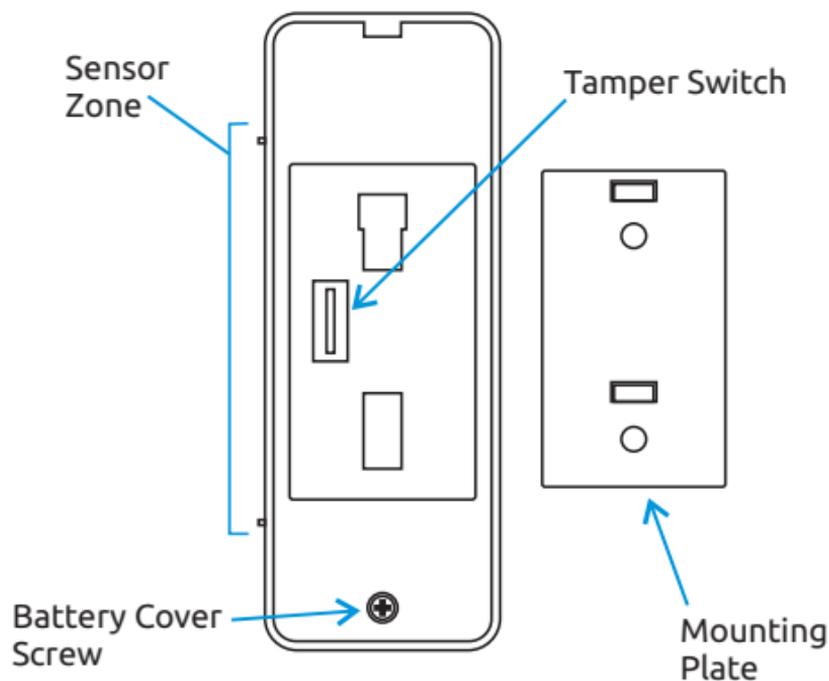
The Virage Door Contact works by sensing the proximity of the magnet to the Sensor/Transmitter module. Note the location of the Sensor Zone on the side of the module - it is important that the magnet be aligned with this zone for the sensor to function properly.



LED	State	Meaning
Transmit	Blue	Transmitting (Open/Closed/Tamper)

Get to know your new sensor

The Sensor/Transmitter is attached using the provided double-sided tape to stick the Mounting Plate to the surface of your door or window frame. Note that when the Mounting Plate is detached from the sensor body, the Tamper Switch is triggered and the sensor sends a Tamper signal.



To change the battery, remove the Sensor/Transmitter from the Mounting Plate, loosen the Battery Cover Screw and open the case of the Sensor/Transmitter. The Virage Door Contact requires one AAA battery (included).

Installation

1. Note that in order to use Virage Door Contacts, a VirageBridge or other compatible receiver must be used, in conjunction with a home automation hub.
2. A Sensor/Transmitter **and** Magnet must be installed on each door or window to be monitored
3. The Magnet must be installed on the correct side of the Sensor/Transmitter (the Sensor Zone), within 3/8" or approximately 1 cm. The closer the Magnet, the more reliably the Sensor/Transmitter will work.
4. The Magnet must be installed such that it moves far enough away from the Sensor/Transmitter to trigger it when the door or window is opened, and returns to a position close enough to trigger it when the door or window is closed.
5. Normally the Sensor/Transmitter is installed vertically (Transmit LED up) or horizontally on the door jamb or window frame, and the Magnet is installed on the door or window, such that the Magnet moves with the door or window and the Sensor/Transmitter remains stationary.
6. If installing the Sensor/Transmitter in this way is not possible, it is better to install the Sensor/Transmitter on the door or window, and the Magnet on the Frame or Jamb rather than install the Sensor/Transmitter upside down, in order to ensure the Transmitter/Receiver does not accidentally unclip from the Mounting Plate.

Installation Continued

7. Ensure that your VirageBridge is installed and functional before installing your Virage Door Contacts.
8. It is recommended that you configure each Virage Door Contact within your hub software prior to installing it on the door or window.
9. Use the supplied double-sided tape to stick the Sensor/Transmitter and Magnet in the desired locations. Be cautious when installing on painted surfaces as trying to reposition can lift the paint.
9. For surfaces upon which the tape does not adhere well, cleaning the surface with rubbing alcohol may help. For especially difficult surfaces, a high-strength double-sided tape, commonly available at major hardware stores, may create a more secure bond (again, be careful of damage to paint).
10. Once installed, Virage Door Contacts only need to have their batteries changed periodically.

Using your Door Contact

Virage Door Contacts must be used in conjunction with a Virage Bridge or other compatible receiver, along with a home automation hub (such as Home Assistant, Domoticz or OpenHAB).

Virage Door Contacts transmit 433.92 MHz radio frequency signals to indicate if the contacts are closed or open, or if the mounting plate has been removed. They will also send a signal if the battery is running low.

Once set up in your home automation software, there is nothing to control on the Virage Door Contact itself other than periodically changing the batteries.

For instructions on how to set up radio-frequency devices in your home automation hub, follow the instructions provided by the makers of your hub or refer to the Virage website.

Troubleshooting

Issue	Solution
Transmit LED does not light when contact is opened or closed	Ensure the Magnet is on the correct side of the Sensor/Transmitter, and within 3/8" or 1 cm when in the closed position.
Transmit LED does not light when Mounting Plate is removed from Sensor/Transmitter	Make sure the plastic tab (in place on new contacts to save battery life) is removed from the Sensor/Transmitter. Ensure that the battery is good and that it is inserted in the correct orientation.
Transmit LED lights but signal is not received	Ensure that your VirageBridge or other receiver is functioning properly. Verify that there is nothing blocking the signal between the Door Contact and the VirageBridge (e.g. metal objects, ductwork, etc.). Try relocating the VirageBridge or adding an additional one if this is a problem.
Sensor/Transmitter and/or Magnet will not stick to the door or window	Try cleaning the surface with rubbing alcohol, or use high-strength double sided tape (available from most hardware stores).
Color of Sensor/Transmitter and/or Magnet does not match mounting location	The housings of the Sensor/Transmitter and Magnet may be painted as needed. Remove the Mounting Plate prior to painting and be cautious not to get paint in the Tamper Switch.

Specifications

Model: DC-001

Rated Power: 1.5V DC (1 AAA Battery)

Wireless Frequency: 433.92 Mhz

Minimum voltage: Low Battery notification at $< 1V$

Country of Origin: Hardware manufactured in China