

Door and Window Sensor

(VS-DW12-345)



4931 N 300 W Provo, UT 84604

Quick Reference

The Vivint Door and Window Sensor (DW12) is a security device that is installed on doors, windows, and other objects in order to monitor and report open and closed states. The DW12 transmits a signal to the control panel/hub when the magnet is moved away from, or close to, the DW12 sensor.

The DW12 has an external input option for NC (Normally Closed) dry contact connections, or it can be used with the provided magnet directly with the sensor.

The DW12 is also equipped with a cover tamper switch for additional security.



Programming Instructions

- **Loop 1:** For when the external input option is used.
- **Loop 2 (default):** For when the magnet is used.

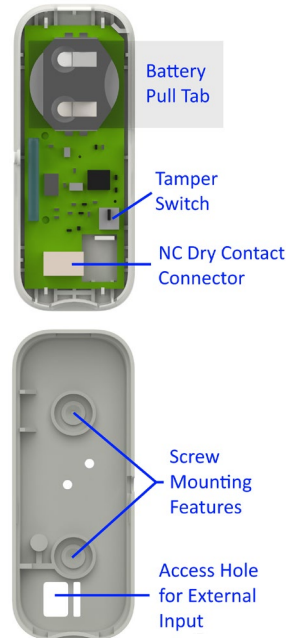
Installation Instructions

For internal switch usage (magnet):

1. Secure the sensor to the door frame using the adhesive or screws.
NOTE: It is recommended to install the sensor on the side that will be moving less (e.g., the frame instead of the door or window).
2. Secure the magnet adjacent to the sensor on the door or window using the adhesive. **IMPORTANT:** The maximum allowable distance between the magnet and the sensor is 0.7 in (17 mm).
NOTE: If necessary, use the provided spacer to raise the magnet so that it aligns better with the sensor. Remove the magnet's back using a small flathead screwdriver and replace it with the spacer.

For external switch usage (NC dry contact):

1. Secure the external contact switch in the desired location.
2. If necessary, drill a hole to allow the wires to reach the sensor.
3. Feed the wires through the drilled hole and then the access hole.
4. Connect the wires into the NC dry contact connector.
NOTE: With solid-core wire you should be able to push the wire directly into the connector. Press the button to release the wire.
5. Mount the sensor in the desired location and reattach the cover.



Installer / User Test

Open and/or close the door or window where the DW12 is installed to ensure the sensor is transmitting correctly to the control panel/hub. The state change (open/closed) of the door or window should be recognized.

Technical / Hardware Specifications Standards Certifications & Listings

Vivint Part Number (P/N)	VS-DW12-345
Model Number (M/N)	DW02
Wireless Signal Range	350 ft. (106.7 m), open air
Battery	Panasonic CR2032 (or equivalent lithium batt.)
Battery Life	3-5 years (normal usage)
Transmitter Frequency	345 MHz
Code Outputs	Open, Close, Tamper, Low Batt., Loss of Supervision
Supervisory Interval	70 minutes per signal (12 hours for panel/hub to report supervision failure)
Operating Temp. Limits	32° to 120°F (0° to 49°C)
Relative Humidity	5-95% Non-Condensing



Conforms to UL 634	Standard for Connectors and Switches for Use with Burglar-Alarm Systems
Certified to ULC/ORD C634	Standard for Connectors and Switches for Use with Burglar-Alarm Systems
FCC ID	2AAAS-DW02
IC	10941A-DW02

*For complete regulatory compliance information, go to: vivint.com/fcc.



Battery Installation and Safety Instructions

To replace the battery, insert a coin (or CR2032 battery) into the slot in the enclosure and gently twist until the cover releases. Use only the recommended replacement batteries (see Specifications).

⚠ WARNING		
<ul style="list-style-type: none">• INGESTION HAZARD: This product contains a button cell or coin battery.• DEATH or serious injury can occur if ingested.• A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.• KEEP new and used batteries OUT OF REACH OF CHILDREN• Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.		

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate. • Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information. • Non-rechargeable batteries are not to be recharged.
- Do NOT force discharge, recharge, disassemble, heat above 100°C or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns. • Ensure the batteries are installed according to polarity (+ and -)
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations. • Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

California Only: Perchlorate material special handling may apply. For details, visit: www.dtsc.ca.gov/hazardouswaste/perchlorate

Wireless Product Notice

Wireless communications hardware provides reliable communication; however, there are limitations which must be observed.

- The transmitters are required to comply with all applicable wireless rules and regulations. As such, they have limited transmitter power and limited range.
- Wireless signals may be blocked by radio signals that occur on or near their operating frequencies.

FCC and ISED Canada Regulatory Compliance Declarations*

CAUTION: Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation of the device.

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 the 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/television technician for help.

PRUDENCE! Changements ou modifications pourraient annuler le droit de l'utilisateur à utiliser l'équipement non autorisées.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre une énergie de radiofréquence et, s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou télévision, ce qui peut être déterminé en mettant l'équipement hors et sous tension, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne de réception. • Augmentez la distance entre l'équipement et le récepteur.
- Connecter l'équipement à une sortie sur un circuit différent de celui sur lequel le récepteur est branché.
- Consulter le revendeur ou un technicien radio / télévision expérimenté pour de l'aide.