PRINT INSTRUCTIONS:
REFERENCE SHEET FOR VS-DW12-345, P/N 77-600047-001 REV 1.0 |
INK: BLACK | **MATERIAL:** 20 LB MEAD BOND | **SIZE:** 5.50" X 8.50" SCALE 1:1 |
FOLDS: TRI-FOLD VERTICAL, TRI-FOLD HORIZONTAL (TO FIT IN BOX)

Door and Window Sensor

(VS-DW12-345)

Quick Reference

4931 N 300 W Provo, UT 84604

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.

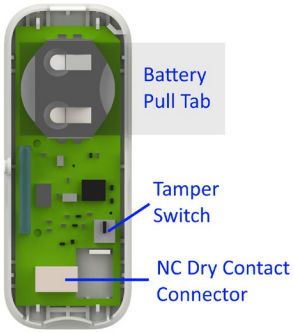
Installation Instructions

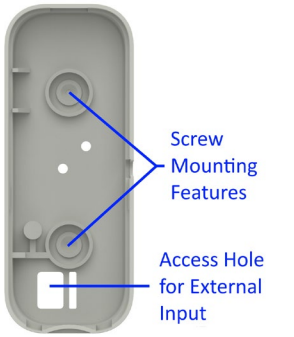
For internal switch usage (magnet):

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.
   NOTE: Store any excess wire in the sensor.





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

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 battery
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

Standards Certifications & Listings

UL 634	*Standard for Connectors and Switches for Use with Burglar-Alarm Systems*
ULC Subject 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.

CERTIFIED

Battery Installation

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

> **WARNING! The polarity of the battery must be observed (as shown in the image). Improper handling of lithium batteries may result in heat generation, explosion, or fire, which may lead to personal injury. Replace only with the same or equivalent battery type as recommended by the manufacturer.**
>
> **AVERTISSEMENT! La polarité de la batterie doit être observée (comme indiqué dans l'image). Une mauvaise manipulation des piles au lithium peut conduire à la production de chaleur, une explosion ou un incendie, ce qui peut entraîner des blessures. Remplacez-le par le même type ou équivalent de la batterie tel que recommandé par le fabricant.**

Batteries must not be recharged, disassembled or disposed of in fire. Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area. Keep away from small children. If batteries are swallowed, promptly see a doctor.

California Only: Perchlorate material special handling may apply. For more information, 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 no 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.

