

Recessed Door Contact

(V-DW21R-345)

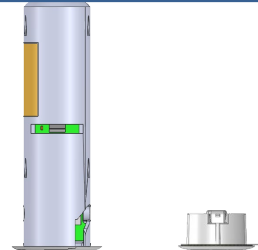
Quick Reference



4931 N 300 W Provo, UT 84604

The Vivint Recessed Door Contact (DW21R) is ideal for inconspicuously monitoring the opened and closed state of a door. The DW21R sensor includes white and brown plastics to help it blend in with most doorframes.

The innovative design allows a user to easily remove the sensor to change batteries when necessary.



Programming Instructions

The Vivint technician should carefully read all of these steps (and tips) in order to ensure a successful installation and optimal performance. For additional information, refer to the *Field Service Smart Home Pros* website.

- Loop 1 (default)

Installation Instructions

Mounting tools:

- Power drill (with 3/4" drill bit)

NOTE: It is important, to ensure the magnet and sensor line up properly, that the hole for the sensor and the hole for the magnet be directly across from each other.

If the brown caps would look better once installed, remove the white (default) caps and replace them with the supplied brown ones. Insert the battery into the sensor while observing the correct polarity. With the battery installed, slide the board and battery into the sensor tube by passing the extended sides through the guide holes. The tube should twist clockwise, securely into place.

Installing the sensor:

1. Use a 3/4" drill bit and slowly drill a hole into the door or doorframe for the sensor. The hole should be approximately 2.75" deep.
2. Insert the sensor so that the lip of the sensor becomes flush against the door or doorframe.
3. Verify that the sensor is held tightly in place. If it is not, remove the sensor cap and replace it with one of the included flanged caps and secure it with the supplied screws.

Installing the magnet:

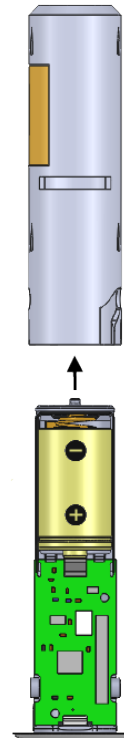
1. Use a 3/4" drill bit and slowly drill a hole in the door or doorframe directly opposite of the sensor. The hole should be approximately 1/2" deep.
2. Remove the sticker back from the inside lip of the magnet.
IMPORTANT: Before inserting the magnet into the drilled hole, clean the excess dust from around the hole to ensure the glue is most effective.
3. Insert the magnet into the drilled hole and hold it firmly in place for a few seconds to ensure it is securely held in place.


Installer Test

Once installed, open and/or close the door on which the DW21R is installed so that the sensor will transmit to the control panel while the panel is in installer test mode.

User Test

Open and/or close the door on which the DW21R is installed to ensure the sensor is transmitting correctly to the panel. The panel should recognize the state change of the door that is being monitored.



Technical / Hardware Specifications		Standards Certifications & Listings	
Vivint Part Number (P/N)	V-DW21R-345	Conforms to UL 634	Standard for Connectors and Switches for Use with Burglar-Alarm Systems
Model Number (M/N)	DW01	Certified to ULC/ORD C634	Standard for Connectors and Switches for Use with Burglar-Alarm Systems
Wireless Signal Range	350 ft. (106.7 m), open air	FCC ID	2AAAS-DW01
Battery	Panasonic CR2 3V	IC	10941A-DW01
Battery Life	10 years (normal usage)	*For complete regulatory compliance information, go to: vivint.com/fcc .	
Transmitter Frequency	345 MHz		
Code Outputs	Open, Close, Low Battery, 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		

Battery Installation

To replace the battery, twist the sensor counterclockwise while pulling back. The sensor will then be able to pull directly out allowing access to the battery. Remove the old battery and insert the new battery while observing the correct polarity.

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 waste recovery and recycling regulations. Keep away from small children. If batteries are swallowed, promptly see a doctor. **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 Industry Canada Regulatory 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.

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