

# Wireless Door/Window Sensor 433 MHz

RF-CMDWS-433-D-NN

## Installation Instructions

### Description

The Door/Window Sensor is a supervised, wireless sensor that detects the opening and closing of doors or windows. The sensor and magnet are mounted using screws (included) or double-sided adhesive tape (included)

When activated, the sensor transmits an open (trip) or close (restore) signal to the panel.

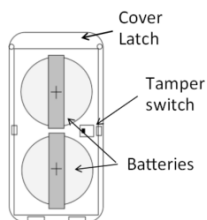
These are the signals the unit provides: supervisory, tamper and low battery (as needed). The sensor is powered by (2) replaceable 3-VDC, lithium coin-cell batteries.

### Installation Guidelines

- Mounting the sensor on metal can affect the transmitting range and magnet gap performance. Therefore, test the sensor from the desired location using the installer sensor test, before permanently mounting it.

- Mount the sensor within the range of the panel.

- Mount the sensor on the frame, and the magnet on the door, window or drawer. If mounting on double doors, mount the sensor on the least used door and the magnet on the other door.



- Mount sensors at least 5 inches above the floor to avoid damaging them.

- The sensors can be mounted to either wood or metallic surfaces.

- The magnet should be mounted within 5/8" of the sensor. Based on the magnet mounting spacing, direction of operation, and material of the mounting surface, the gap for opening may vary between depending on application.

- Desired operation should be checked before permanent installation.

- After mounting the sensor, retest the sensor using the procedure in the section "Testing the Sensor".

### Programming

The following steps describe the general guidelines for programming the sensor into panel memory. Refer to the specific panel's documentation for complete programming details.

1. Refer to Wireless Enrollment Mode [898] procedures in the DSC † Control Panel Manual. or
2. Manually enter the ESN (RFID) number located on the back of the sensor or on the end panel of the sensor box Follow the Manual Wireless ESN Entry [804 and 101-164] procedures in the DSC † Control Panel Manual.
3. Exit program mode.

### Testing the Sensor

1. Set the panel to the sensor test mode.
2. Take the sensor and magnet to the desired mounting location, making sure to line up their alignment marks with each other. Trip the sensor by pulling the magnet away from the sensor.
3. Monitor the system after tripping the sensor. Refer to the specific panel documentation for interpretation of the results to ensure desired signal strength is achieved.

**Note:** If a low battery alarm occurs, replace the battery within 7 days.

**CAUTION:** Battery may explode if mistreated. Do not recharge, disassemble or dispose of in fire.

### Mounting the Sensor

Mount the sensor using the supplied mounting screws for permanent mounting installations or using the supplied double-sided tape is optional.

**Note:** The gap between the sensor and magnet should not exceed a maximum of 3/8".

### Mounting Screws

1. Remove the sensor base from the sensor.
2. Place the sensor base in desired location and mount the base with the supplied screws. Attach the sensor to the base.
3. Mount the magnet into the desired location using the supplied screw, making sure the alignment mark lines up with the sensor mark.

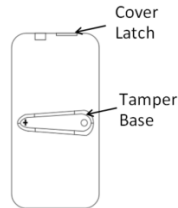
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### For Additional Tamper Security

1. Punch out the tamper cover on the bottom of the sensor, and using the small screw secure it to the mounting location, when the sensor is removed “tampered” the tab remains providing a tamper condition.



### Specifications:

Model no.	RF-CMDWS-433-D-NN
RF frequency	433 MHz
Compatibility	DSC® † Control Panels
Battery type	(2) 3-VDC, lithium coin-cell battery (Varta or Panasonic, Model CR2032)
Battery	Varta CR2032 Panasonic CR2032
Operating temperature range	32 to 120°F (0 to 49°C)
Storage temperature range	-30 to 140°F (-34 to 60°C)
Relative humidity	95% non-condensing
Dimensions: (L x W x D)	2.25 x 1.0 x 0.50 in.

### FCC / IC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. 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 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/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

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In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 cm is maintained from the general population.

**FCC: 2ABBZ-RF-CMDWS-433D**

**IC: 11817A-RFCMDWS433D**

This Class B digital apparatus complies with Canadian ICES-3B.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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