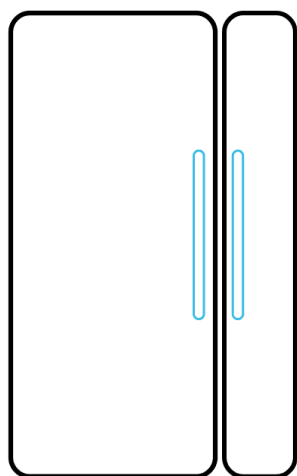




ClareOne Door/Window Sensor Installation Sheet



Part number:

ClareOne Door/Window Sensor, White (CLR-C1-DW-W)

ClareOne Door/Window Sensor, Brown (CLR-C1-DW-B)

Description

The ClareOne Door/Window Sensor is a magnetic sensor device designed to fit seamlessly alongside a door frame or window frame. When the door or window is opened, the magnetic contact is disrupted, and then the sensor transmits an alarm notification to the ClareOne panel.

Important safety instructions

Before you install this sensor, be sure to:

- Read, keep, and follow all instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not expose the device to water.
- When there is a low battery, replace with a compatible lithium ion battery.

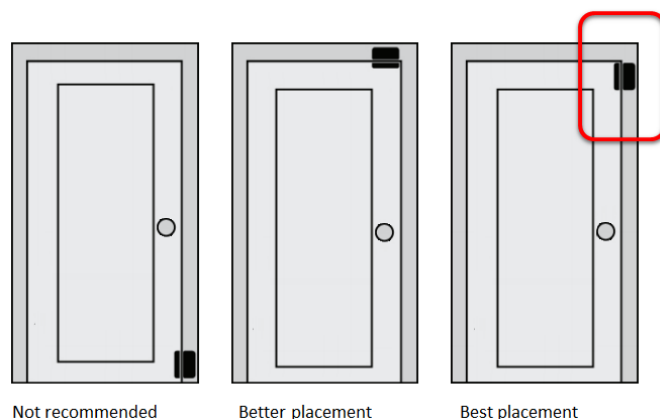
Installation

The door/window sensor can be installed using the provided adhesive or screws.

Mounting orientation

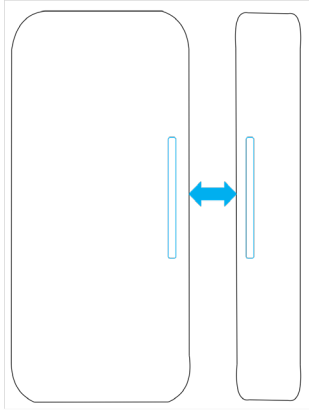
The sensor and magnet should be placed near the top of the door with the sensor attached to the unmoving part of the closure. For example, attach the main body of the sensor to the door frame, not the door. We recommend that the sensor is placed in the top corner of the opening side of the door, see Figure 1.

Figure 1: Sensor orientation



The sensor and magnet each have a slightly engraved line. This line denotes where the sensors align to function properly. If the sensor and magnet, when together/closed, do not line up, the sensor will not report correctly. See Figure 2, on page 2.

Figure 2: Sensor alignment



To install the door/window sensor:

1. Select the desired position for the sensor and magnet.

Notes

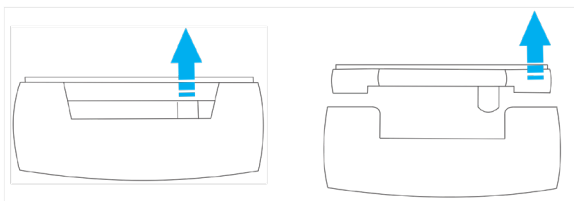
- The sensor and magnet must be within 0.25 inches of each other on final installation. See Table 1, on page 4 for different gap ranges on metallic and non-metallic mounting surfaces.
- Verify that the sensor and magnet are aligned correctly. See Figure 2, on page 2.

2. Remove the sensor's battery pull tab.
3. Adhere the sensor to the wall using the provided screws or adhesive.

Note: We recommend using the provided screws for installation. This method is more secure than using adhesive alone.

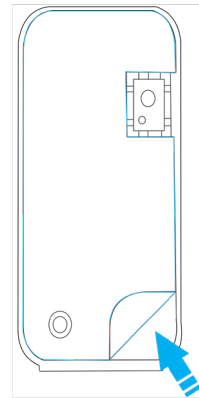
Sensor screws

- 3.1.a Locate the bottom of the sensor (the slotted short end).
- 3.1.b Turn the sensor over, then gently slide a fingernail/fingertip into the slot pushing the sensor's back plate up and away from the sensor body.



- 3.1.c (Optional) Mark the screw hole locations, then using a power drill, drill holes and install the 2 provided wall anchors.

- 3.1.d Remove the adhesive film cover.



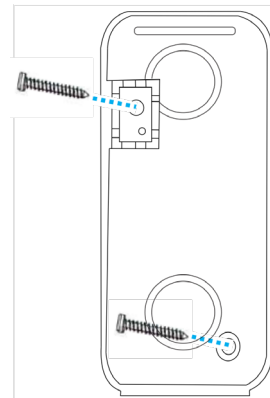
- 3.1.e Place the back plate against the door frame/window frame, making sure that the orientation is correct for the desired position.

Note: Once the adhesive is secure, the sensor cannot be moved.

- 3.1.f Insert the first screw into the non-breakaway screw hole, and then use a screwdriver to partially secure the screw in the wall.

Do not fully insert the screw until the second screw has secured the sensor's position.

- 3.1.g Insert a second screw into the breakaway screw hole, and then partially secure in the wall.

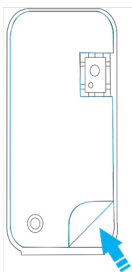


- 3.1.h Observe the sensor position. When satisfied with the position, use a screwdriver to fully secure each screw in the wall.

- 3.1.i Press the front of the sensor against the base until there is an audible snap.

Sensor adhesive

- 3.2.a Select the desired position for the sensor.
- 3.2.b Peel one side of the adhesive tape, and then press the tape firmly against the sensor.



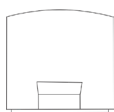
Note: Once the adhesive is secure, the sensor cannot be moved.

- 3.2.c Peel the other side of the adhesive, and then press the sensor against the wall.

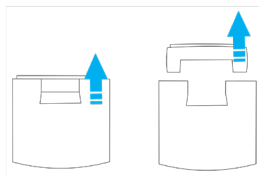
4. Line the magnet up with the sensor, verifying that they align properly, and then adhere the sensor to the wall using the provided screws or adhesive.

Magnet screws

- 4.1.a Locate the bottom of the magnet (the slotted short end).

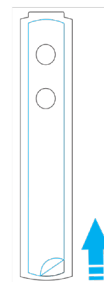


- 4.1.b Turn the magnet over, and then gently slide a fingernail/fingertip into the slot pushing the magnet's back plate up and away from the magnet body.



- 4.1.c (Optional) Mark the screw hole locations, then using a power drill, drill holes and install the 2 provided wall anchors.
- 4.1.d Remove the adhesive's film cover, and then place the back plate against the door/window, making sure that the orientation and alignment are correct for the desired position.

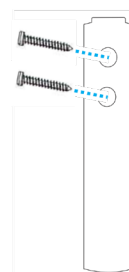
Note: Once the adhesive is secure, the magnet cannot be moved.



- 4.1.e Insert the first screw into a screw hole, then use a screwdriver to partially secure the screw in the wall.

Do not fully insert the screw until the second screw has secured the magnet position.

- 4.1.f Insert a second screw into the remaining hole, and then partially secure it in the wall.



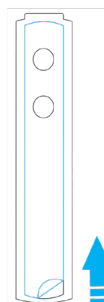
- 4.1.g Observe the magnet position. When satisfied with the position, use a screwdriver to fully secure each screw in the wall.

- 4.1.h Press the front of the magnet against the base, until there is an audible snap.

Magnet adhesive

- 4.2.a Select the desired position for the magnet.
- 4.2.b Peel one side of the adhesive tape, and then press the tape firmly against the magnet.

Note: Once the adhesive is secure, the magnet cannot be moved.



- 4.2.c Peel the other side of the adhesive, and then press the magnet against the wall.

5. Add the sensor to the panel. See "Sensor Management," *ClareOne User Guide*.

6. Once added, test the sensor.

Look at the ClareOne panel, and then open the door/window.

Notice that the added sensor displays faulted.

Note: Testing all sensors with the alarm monitoring station is strongly advised.

Table 1: Sensor and magnet gap range

Non-metallic surface		Supports	Metallic surface	
Open	Close	Direction	Open	Close
31 mm	29 mm	X	30 mm	25 mm
34 mm	31 mm	Y	36 mm	35 mm
35 mm	31 mm	Z	45 mm	40 mm

Battery replacement

The ClareOne Door/Window Sensor requires a CR2032 battery. Once the battery is low, the panel displays a low battery icon next to the sensor in the devices list. The battery must be replaced within 7 days of the first low battery notification. If the battery is not replaced within 7 days, the sensor may not function properly.

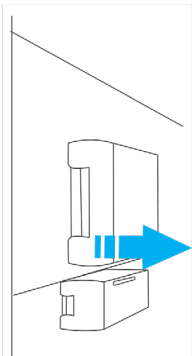
WARNING: If an incompatible replacement battery is used, or the battery is installed incorrectly explosion or damages may occur.

AVERTISSEMENT: Si une batterie de remplacement incompatible est utilisée ou si la batterie est installée de manière incorrecte, une explosion ou des dommages peuvent survenir.

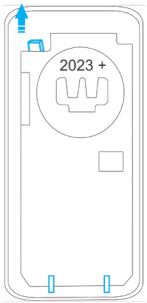
To replace the battery:

Note: Verify that the panel is not armed before changing the battery.

- 1. Locate the bottom of the sensor (the slotted short end).
- 2. Gently slide a fingernail/fingertip into the slot and pull the sensor cover out and away from the sensor's base.



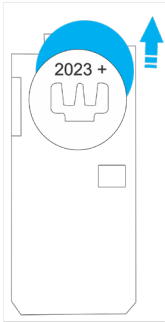
- 3. The sensor containing the battery and circuit board is no longer attached to the door/window.
Locate the tab holding the circuit board in the sensor.



- 4. Press and hold the tab away from the circuit board, and then turn the sensor over.

The circuit board comes free from the sensor shell.

- 5. Use a fingernail/fingertip to push the battery out of the casing, noting the polarity of the battery.



- 6. Slide a new CR2032 battery into the battery casing, making sure that the polarity is correct.
- 7. Press the circuit board back into the sensor casing, sliding it under the clips, until secure. There will be an audible snap.
- 8. Press the sensor back onto the base.
- 9. Test the sensor.

Specifications

Compatible panel	ClareOne
Transmitter frequency	433MHz TX
Encrypted	Yes
Transmitted indications	Tamper Low battery
Battery type	CR2032 (220mAh)
Battery life	5 years
Screw size	M3 × 16 mm
Adhesive	3M 4930
Sensor dimensions (W × H × D)	1.69 × 2.52 × .51 in. (43 × 64.05 × 13 mm)
Operating environment	
Temperature	32 to 122.6°F (0 to 50°C)
Relative humidity	85% max
Water-resistant	No

Regulatory information

Manufacturer	Snap One, LLC.
North American standards	ETL listed to: UL 634, ULC ORD634
FCC compliance	FCC ID: 2AJAC-CLRC1DW This device complies with Part 15 of the FCC Rules. 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.

Note: 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 to 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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter."

IC Compliance

IC ID: 7848A-CLRC1DW

ISED compliance statement:

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'innovation, Sciences et Développement économique 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;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure statement:

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

Warranty information

Snap One offers a two (2) year limited warranty on original Clare components, from the date of shipment from Snap One. To view complete limited warranty details, including limitations and exclusions, www.snapone.com/legal.



Scan the code to view product warranty details.

Contact information

www.clarecontrols.com

Integrator/Dealer Support: 866-424-4489
claresupport@clarecontrols.com

Homeowners should contact their professional installer for assistance.