

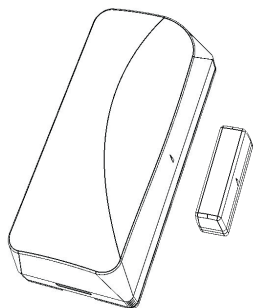
# clare™ CS-DWS-10 Door/Window Sensor



**The CS-DWS-10** is a full-featured security transmitter with industry-leading wireless range and battery life. It is typically used to sense opening and closing of doors and windows, but can secure just about anything using its two external contact zones. It will alarm when the magnet is pulled away from the sensor or when an external contact is opened.

## Features

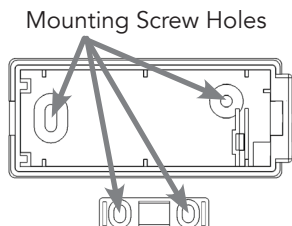
- Industry-leading wireless range and battery life
- One door window zone and two external contact zones
- Secure encrypted wireless transmissions



**Enroll** by placing the panel into wireless enrollment mode and then sending an enrollment signal from the sensor. Alternatively, the sensor can be enrolled by scanning its bar code using the Install Assist App or by entering its 8-character serial number on the interactive service provider's web portal.

### Options for sending an Enrollment Signal

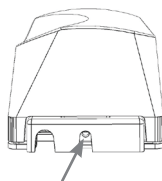
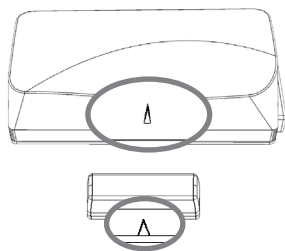
- Remove the battery tab and trip the tamper



**Install** by mounting the sensor and magnet on a door or window using the mounting screw locations. Make sure to align the alignment marks on the sensor and magnet when mounting. Additionally, the sensor can be used with up to two external contacts. CE installations must use a cover-securing screw.

### External Contacts (not evaluated by ETL)

- Use **normally-closed** contacts because the door window sensor will transmit an alarm when it sees an external contact **open**.
- Do not use end-of-line resistors.
- Wire contact wires to one or both outside terminals, using the center terminal as common.



Cover-Securing Screw Hole

Use the panel installation guide to verify proper system setup.

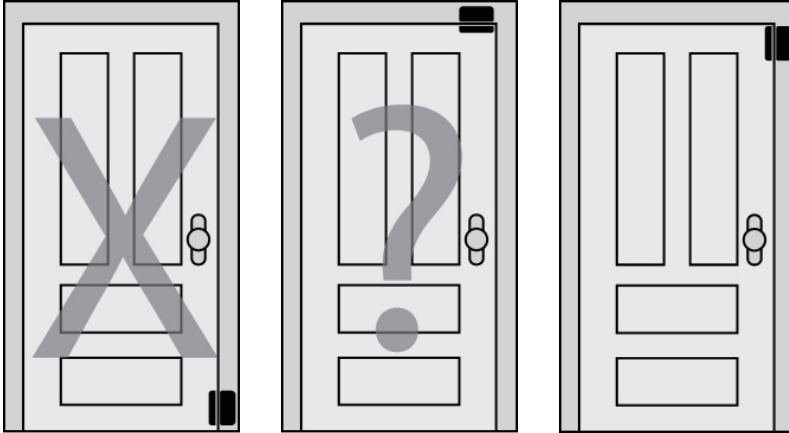
## Pro Tips

**3M VHB Tape** works great if the surface is properly prepared and firm pressure is applied for over 10 seconds.

### Surface Preparation

- Clean the surface
- Ensure the mounting surface temperature is above 50 °F

**Wireless performance** is optimized when mounted near the top of the door in a vertical orientation.

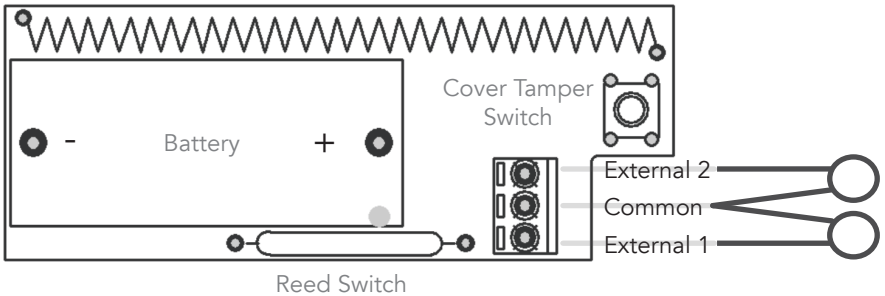


WRONG

OK

BEST

**Wire an external contact** by securing one wire in to either the external 1 or external 2 port and the other wire in to the common port. If both external contacts are used two wires will be inserted into the common port.

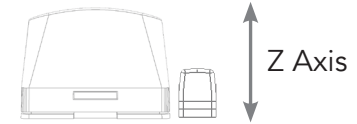
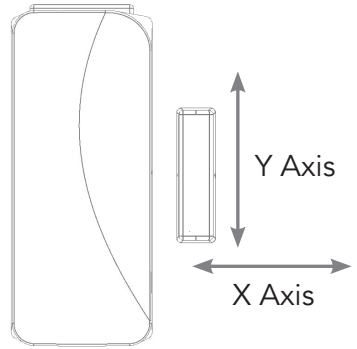


# Magnet Gap Specifications

Non-Ferromagnetic Surface	
Nominal Mounting Distance	1.00 inches (2.5 cm)
X Axis - Make	1.10 inches (2.8 cm)
Break	1.30 inches (3.3 cm)
Y Axis - Make	2.40 inches (6.1 cm)
Break	2.55 inches (6.5 cm)
Z Axis - Make	1.20 inches (3.0 cm)
Break	1.35 inches (3.5 cm)

Ferromagnetic Surface	
Nominal Mounting Distance	0.50 inches (1.2 cm)
X Axis - Make	0.60 inches (1.5 cm)
Break	0.65 inches (1.7 cm)
Y Axis - Make	1.70 inches (4.3 cm)
Break	1.75 inches (4.5 cm)
Z Axis - Make	1.05 inches (2.7 cm)
Break	1.10 inches (2.9 cm)



## Specifications

Physical	
Housing Dimensions	3.25 x 1.40 x 1.05 inches (8.3 x 3.6 x 2.7 cm)
Weight with Battery	1.90 ounces (54 grams)
Mounting Fastener	#4 or #6 screws (not provided)
Environmental	
Operating Temperature	32 to 120 °F (0 to 49 °C)
Maximum Humidity	85% non-condensing relative humidity
Sensor Specifications	
Frequency	433.92 MHz
Replacement Battery	One Panasonic CR123A
Nominal Battery Life	10 to 15 years
Battery Voltage	3.0 VDC (Nominal), 2.2 VDC (Low)
Current Draw	20 mA (Maximum), 0.6 uA (Quiescent)
Transmitted Indications	Cover Tamper, Low Battery, Supervision
Certification	
RE601	UL634, ULC634, ETL, FCC, IC
RE601-CE	EN50131-2-6, EN 60950-1, EN 300 220, EN 301 489, CE Security Grade 1, CE Environmental Class 2, RCM

*Specifications subject to change without notice*

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