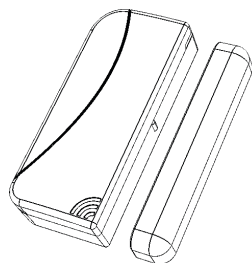


clare™ CS-NDWS-10 Micro Door/Window Sensor



The **CS-NDWS-10** is the smallest full-featured security transmitter in the industry. It is typically used to sense opening and closings of doors and windows, but can secure just about anything using its Strip & Stick™ external contact holes. It will alarm when the magnet is pulled away from the CS-NDWS-10 or when the external contact is opened.



Features

- Quick peel and press mounting
- Small profile for a near invisible look
- Most flexible magnet positioning in the industry
- Strip & Stick external contact holes

Enroll by placing the panel into wireless enrollment mode and then sending an enrollment signal from CS-NDWS-10. Alternatively, CS-NDWS-10 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.

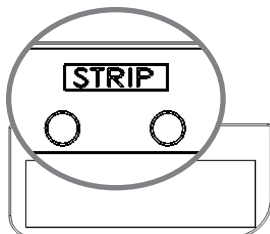
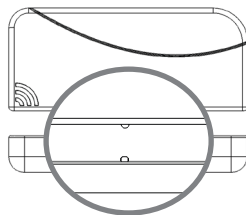
Options for sending an Enrollment Signal

- Remove the battery tab, which can be done without removing the cover, OR
- Touch the magnet to the sensor 5 times within 5 seconds, OR
- Remove the cover to trip tamper

Install by removing the adhesive paper and adhering the CS-NDWS-10 and magnet on a door or window. Make sure to align the alignment marks on the CS-NDWS-10 and magnet when mounting. Alternatively, CS-NDWS-10 can be used with an external contact instead of the reed switch.

External Contact (not evaluated by ETL)

- If you are using the external contact then you cannot use the reed switch.
- Use a **normally-closed** contact because CS-NDWS-10 will transmit an alarm when it sees the external contact **open**.
- Do not use end-of-line resistors.
- Connect the contact to CS-NDWS-10 by inserting the contact's wires into the two Strip & Stick holes on the back of CS-NDWS-10.



Use the panel installation guide to verify proper system setup.

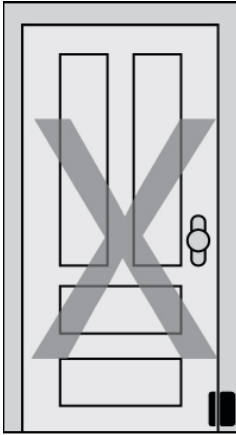
Pro Tips

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

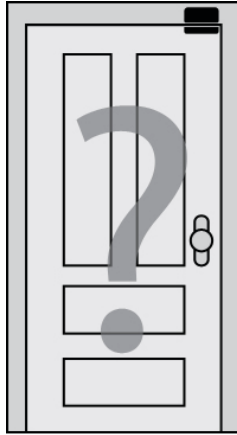
Surface Preparation

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

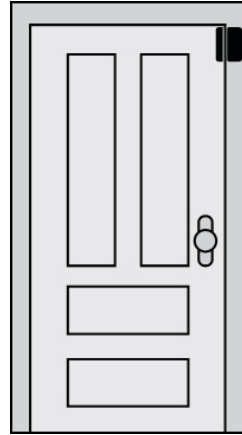
Wireless performance is optimized when mounted near the top of the door in a vertical orientation.



WRONG



OK

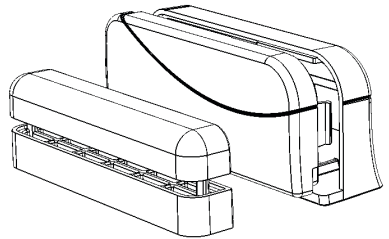


BEST

Accessories

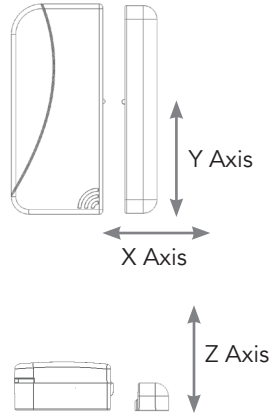
MetalMax™ NanoMax Mounts (RE033-16) can be used for better performance on metal and narrow mounting situations.

- Improves wireless performance by moving the internal antenna away from metal surfaces.
- Provides an alternate mounting orientation for narrow installs.
- Increases magnet gap distance on metal surfaces.



Magnet Gap Specifications

Non-Ferromagnetic Surface	
Nominal Mounting Distance	0.75 inches (2.0 cm)
X Axis - Make	0.90 inches (2.3 cm)
Break	0.95 inches (2.5 cm)
Y Axis - Make	1.70 inches (4.3 cm)
Break	1.75 inches (4.5 cm)
Z Axis - Make	1.10 inches (2.8 cm)
Break	1.15 inches (3.0 cm)
Ferromagnetic Surface (Using RE033 Mount)	
Nominal Mounting Distance	0.50 inches (1.2 cm)
X Axis - Make	0.55 inches (1.4 cm)
Break	0.60 inches (1.5 cm)
Y Axis - Make	1.50 inches (3.8 cm)
Break	1.55 inches (4.0 cm)
Z Axis - Make	0.70 inches (1.8 cm)
Break	0.75 inches (2.0 cm)



Specifications

Physical	
Housing Dimensions	1.80 x 0.77 x 0.39 inches (4.6 x 2.0 x 1.0 cm)
Weight with Battery	0.53 ounces (15 grams)
Mounting Fastener	3M VHB Tape
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 CR1632
Nominal Battery Life	6 years
Battery Voltage	3.0 VDC (Nominal), 2.62VDC (Low)
Current Draw	20 mA (Maximum), 0.5uA (Quiescent)
Transmitted Indications	Cover Tamper, Low Battery, Supervision
Certifications	
RE622	UL634, ULC634, ETL, FCC, IC
RE622-CE	EN 60950-1, EN 300 220, EN 301 489, CE, RCM

Specification subject to change without notice

clare™

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www.ClareControls.com

Original document below

<https://bit.ly/2Nhtckr>