2GIG
a Nice brand

2GIG-DWR100-345

Recessed Door Contact with Enhanced Security

General Information

The 2GIG® Recessed Door Contact (2GIG-DWR100-345) is a flexible door contact that can be used in a multitude of applications when the transmitter is installed inside a door or window frame.

A Door/Window Contact Housing
B Contact Cover
C Screw Mount Contact Cover
D Screws

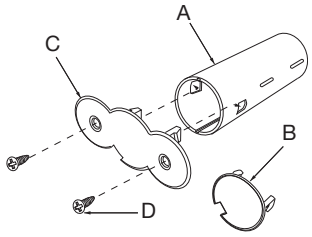


Figure 1 Recessed Door Contact

Box Contents

Verify that the package includes the following:

- (1) Recessed Door Contact
- (2) Plastic Door Contact Covers
- (2) Plastic Two-Hole Screw Mount Contact Covers
- (2) Phillips Head Screws
- (2) Plastic Magnet Caps
- (1) Rare Earth Magnet
- (1) Lithium Battery

Encrypted/Unencrypted Mode Switch

The sensor is capable of transmitting signals in encrypted mode or unencrypted mode. The mode is set through a switch inside the sensor (see **Figure 3**).

By default, the factory setting is non-Encrypted mode. To change to Encryption mode, do the following:

1 Remove the PCB board from the plastic housing and remove the battery from the board, if applicable.

2 Locate the dip switch (see **Figure 3**) and note the switch setting: **ON** indicates *encrypted*, and **1** is *non-encrypted* mode.

3 Move the switch position to **ON** for encrypted mode.

4 Reinsert the battery and insert the board back into the housing.

5 If the sensor was previously learned into a panel in a different mode, update the sensor class field and, if applicable, the sensor equipment code in sensor zone programming.

Programming

The following steps describe general guidelines for programming (learning) the sensor into the alarm control panel memory. For more details, refer to the *2GIG Panel Installation & Programming Instructions*.

1 Put the panel into sensor Learn mode.

2 Install the battery into the device.

3 Trip the senor and hear the acknowledging beep from the panel for learn-in confirmation.

Installation Guidelines

Before mounting the door contact to the desired location, test the sensor to verify that it can establish good radio frequency (RF) communications with the control panel.

Use the following guidelines when installing the door contact for internal switch usage:

- **Mount Sensors within 100 ft (30 m) of the Control Panel.** Although the transmitter may have a range of 450 ft (137.2 m) in open/unobstructed situations, the environment at the installation site can have a significant effect on transmitter range.
- **Use Screw Mount to Secure the Sensor to a Door Frame.** The magnet does not have a second top with a flange to screw it into place so you must be extremely careful to ensure that the magnet is tightly in place upon installation.
- **Install the Recessed Sensor in the Door or Door Frame.** It is important to select the proper placement of the recessed sensor/transmitter and magnet. The sensor comes with two different tops, however, the screw mount is recommended for securing the sensor to a door frame. The magnet does not have a second top with a flange to screw it into place so you must be extremely careful to ensure that the magnet is tightly in place upon installation.

The door contact can be mounted in either the door jamb or door frame. The best practice is to mount it in the door frame.

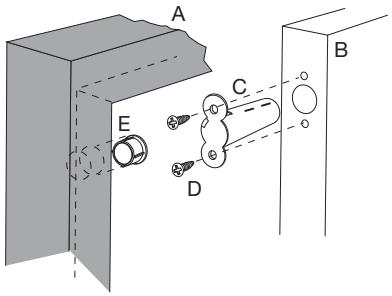


Figure 2 Recessed Door Contact – Door Frame

A Door Jamb
B Door
C Recessed Door Contact
D Screws
E Magnet

Mounting the Door Contact

To mount the door contact:

1 On the door frame, follow these steps:

1a Use a pencil to mark the location for the sensor and magnet.

1b Drill two (2) holes directly across from each other.

NOTE: It is important to ensure these holes are properly aligned (see *Figure 2 Recessed Door Contact – Door Frame*).

2 Using a 3/4" drill bit, follow these steps:

2a Slowly drill the first hole for the sensor into the door or frame.

NOTE: Take care to slowly mute the hole to ensure the snuggest possible fit. The sensor diameter is specifically designed to be slightly larger than 11/16".

2b Use the flanged cap with the included screws to mount the recessed sensor into the door or window frame.

2c Drill a matching hole for the magnet, directly opposite from the transmitter, also using a 3/4" drill bit.

Inserting and Replacing the Batteries

To insert or replace the batteries:

1 Unwrap the door contact.

2 Use a small flat-head screw driver to push the clips on the side of the sensor casing in, then remove the sensor cap.

To access the battery, you must remove the circuit board from the casing. Before removing the board, it's important to observe how the board fits into the grooved channel on the inside of the sensor cap. When replacing the board, ensure the circuit board fits into the channel for a proper fit.

3 Gently remove the circuit board from the casing. Notice how the battery compartment is built into the end of the circuit board.

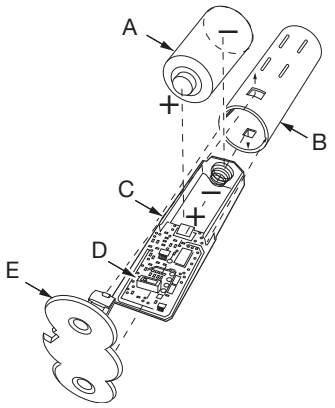
4 Remove the battery from the compartment.

IMPORTANT: Always dispose and/or recycle used batteries in accordance with the hazardous waste recovery and recycling regulations for your location. Your city, state, or country may also require you to comply with additional handling, recycling and disposal requirements.

5 Insert the new or replacement batteries in the compartment. Always match the plus (+) sign on the battery with the flat side of the compartment and the minus (–) sign on the battery with the spring side.

6 Reinsert the circuit board to fit snugly inside casing and then replace the sensor cap, taking care to ensure the circuit board fits properly in the cap's grooved channel.

WARNING: Failure to follow these warnings and instructions can lead to heat generation, rupture, leakage, explosion, fire, or other injury, or damage. Do not insert the battery into the compartment in the wrong direction. Always replace the battery with the same or equivalent type (see Specifications). Never recharge or disassemble the battery. Never place the battery in fire or water. Always keep batteries away from small children. If batteries are swallowed, promptly see a doctor.



A Battery
B Door/Window Contact Housing
C Battery Case/PCB
D Encryption mode dip switch
E Screw Mount Top

Figure 3 Battery Compartment and Polarity

REGULATORY INFORMATION

FCC and IC Notice

This device complies with Part 15 of the FCC's Rules. Operation is subject to the following two conditions:

1 This device may not cause harmful interference, and

2 The device must accept any interference received, including interference that may cause undesired operation.

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.

This product complies with FCC radiation exposure limits for an uncontrolled environment. Avoid operating this product at a distance less than 20 cm from the user.

CAUTION: Any changed or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Renseignements réglementaires

Nous, Nice North America LLC du 5919 Sea Otter Place STE 100, Carlsbad, CA 92010, déclarons sous notre entière responsabilité que le dispositif 2GIG-DW100-345 est conforme à la Partie 15 des règles de la FCC.

Avis concernant la FCC et IC

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.

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

Cet équipement génère, utilise et peut émettre une énergie de fréquence radio et, s'il n'est pas installé et utilisé conformément aux instructions, peut causer des interférences nuisibles aux communications radio. Il n'existe toutefois aucune garantie que de telles interférences ne se produiront pas dans une installation particulière. Si cet équipement cause des interférences nuisibles à la réception des signaux de la radio ou de la télévision, ce qui peut être mis en évidence par sa mise sous tension et hors tension, l'utilisateur est invité à essayer de corriger le problème en prenant une ou plusieurs des mesures suivantes :

- Réorientez ou déplacez l'antenne de réception.
- Augmentez la distance entre l'équipement et le récepteur.
- Branchez l'appareil à une prise sur un circuit différent de celui auquel le récepteur est branché.
- Consultez le revendeur ou un technicien radio/TV expérimenté pour obtenir de l'aide.

FCC: Déclaration d'exposition aux radiations de la Federal Communication Commission (FCC) : lors de l'utilisation du produit, maintenez une distance de 20 cm du corps pour garantir le respect des exigences d'exposition aux RF.

IC: Déclaration d'exposition aux radiations : Déclaration d'exposition aux radiations Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de ravonnement et votre corps.

Limited Warranty

This Nice North America LLC product is warranted against defects in material and workmanship for two (2) years. This warranty extends only to wholesale customers who buy direct from Nice North America LLC or through Nice North America LLC's normal distribution channels. Nice North America LLC does not warrant this product to consumers. Consumers should inquire from their selling dealer as to the nature of the dealer's warranty, if any.

There are no obligations or liabilities on the part of Nice North America LLC for consequential damages arising out of or in connection with use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation, or reinstallation. All implied warranties for functionality, are valid only until the warranty expires. This Nice North America LLC Warranty is in lieu of all other warranties expressed or implied.

Specifications

Wireless Signal Range	450 ft (137.2 m), open air, with Wireless Control Panel
Code Outputs	Alarm; Alarm Restore; Supervisory; Low Battery
Transmitter Frequency	345.00 MHz (crystal controlled)
Supervisory Interval	70 minutes
Magnet Dimensions (L x W x H)	0.5 x 0.75 in (1.27 x 1.9 cm) typical
Magnet Type	Rare Earth
Sensor Dimensions (H x D)	2.57 x 0.75 in (6.53 x 1.9 cm)
Weight (including battery & magnet)	1.25 oz (35.4 g)
Housing Material	ABS Plastic
Operating Temperature Limits	32° to 120° F (0° to 49° C)
Relative Humidity	5-95% Non-Condensing
Battery (installed with pull tab)	One (1) 3V CR-2 or equivalent Lithium battery
Certification	ETL, FCC, and IC
Equipment Code	2863 (encrypted), 0863 (unencrypted)
Panel Programming Sensor Loop	Loop 1

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Saturday, 7 a.m. – 3:30 p.m. PST
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