



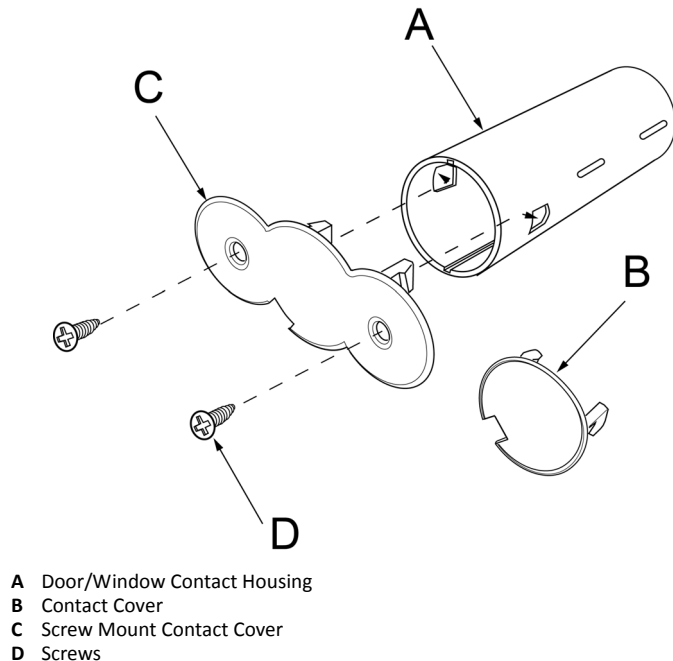
2GIG-DW20R-345

RECESSED DOOR CONTACT

INSTALLATION INSTRUCTIONS

The 2GIG Recessed Door Contact (2GIG-DW20R-345) is the industry's most flexible supervised door contact. It communicates with the 2GIG Control Panel using the 345 MHz wireless frequency. It also allows a multitude of applications while hiding the transmitter within a door or window frame. It is powered by a replaceable lithium battery, which should last five (5) years under normal usage.

Figure 1 Recessed Door Contact



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

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.

NOTE: To learn how to program a wireless sensor into the Control Panel and for testing information, see the Control Panel's *Installation & Programming Guide*.

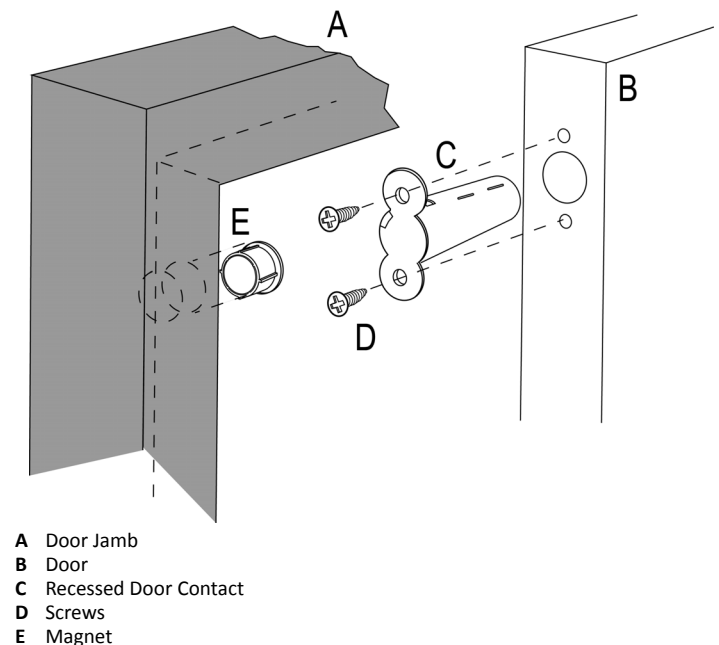
Guidelines include:

- **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.

- **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.
- **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.

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



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 an 11/16" drill bit, follow these steps:
 - 2a Slowly drill the first hole for the sensor into the door or frame.
- NOTE:** Take care to slowly route 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 an 11/16" drill bit.

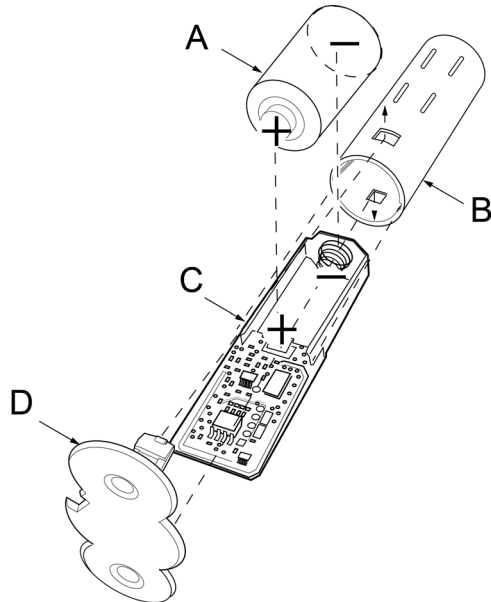
Inserting and Replacing the Batteries

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 reach the battery, you must remove the circuit board from the casing. Before removing the board, it is 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 back into the channel for a proper fit.

Figure 3 Battery Compartment and Polarity



- A Battery
B Door/Window Contact Housing
C Battery Case/PCB
D Screw Mount Top

- 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.

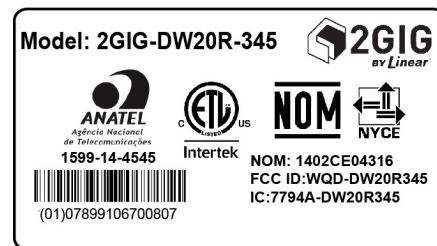
- 5 Insert the new or replacement battery into the compartment. Always match the plus (+) sign on the battery with the flat side of the compartment and the minus (-) sign on the battery with the spring side.
- 6 Reinsert the circuit board to fit snugly inside casing and then replace the sensor cap, taking 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.

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)
Unique ID Codes	Over one (1) million different code combinations
Supervisory Interval	70 minutes
Magnet Dimensions (HxD)	0.5 x 0.75 in (1.27 x 1.9 cm) typical
Magnet Type	Rare Earth
Sensor Dimensions (HxD)	2.57 x 0.75 in (6.53 x 1.9 cm)
Weight (including battery and magnet)	1.25 oz (35.4 g)
Housing Material	ABS Plastic
Color	White or Brown
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	Anatel, ETL, FCC, IC, and NOM

REGULATORY INFORMATION



FCC 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 This 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.

Industry Canada (IC) Compliance

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 the device.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

LIMITED WARRANTY

This Linear product is warranted against defects in material and workmanship for two (2) years. This warranty extends only to wholesale customers who buy direct from Linear LLC or through Linear LLC's normal distribution channels. Linear 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 Linear 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 Linear LLC Warranty is in lieu of all other warranties expressed or implied.

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Visit web site for technical support hours of operation

For technical support outside of the USA and Canada:

Contact your regional distributor

Visit dealer.2gig.com for a list of distributors in your region

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