

## INSTALLATION INSTRUCTIONS

The Doorbell (2GIG-DBELL1-345) is a dual-purpose doorbell that can be installed with the dwelling's existing 24 V wiring or using the 345 MHz radio frequency:

- **Wired Installation.** When installed as a wired doorbell with the home's existing 24 AC wiring, the bell is fully water-resistant and the push button remains illuminated.
- **Wireless Installation.** When installed as a wireless doorbell, it features a fully water-resistant button. It communicates with the control panel using the 345 MHz frequency. The push button does not remain illuminated.

**Figure 1** Doorbell



### Contents

Verify that the package includes the following:

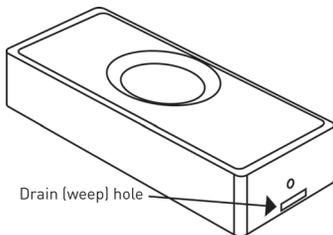
- 1—Doorbell
- 2—Wood Screws
- 2—Machine Screws
- 1—O-Ring
- 1—Lithium Coin Battery (installed)

### Installing and Mounting the Doorbell

If possible, locate sensors within 100 ft (30 m) of the 2GIG Control Panel. While a transmitter may have a range of 350 ft (106 m) or more out in the open, the environment at the installation site can have a significant effect on the transmitter range.

**IMPORTANT:** Although the doorbell has been designed to withstand weather and features a weep hole for draining, it is recommended that you avoid mounting the sensor in areas that may be subject to extreme moisture.

**Figure 2** Doorbell Drain—(Weep Hole)

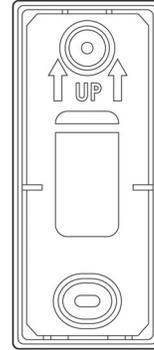


To install and mount the doorbell:

- 1 Remove the sensor cover by pressing the tab. This disengages the clip that holds the cover to the base.
- 2 (Optional) If connecting the Doorbell to the existing 24V wiring, pull the existing 24 AC wiring through the hole.

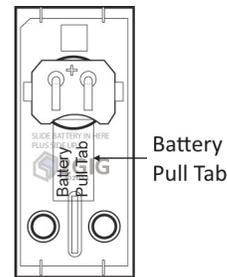
- 3 Ensure that the orientation arrows on the base are pointed in a upwards direction as shown in Figure 3 below.

**Figure 3** Doorbell Base—Orientation Arrows



- 4 Attach the base to the desired mounting location using the Phillips wood screws (supplied).
  - 5 Place the O-ring (supplied) around the perimeter of the base.
  - 6 If available, attach the existing 24V AC household doorbell wiring to the board using the machine screws provided.
- IMPORTANT:** The Doorbell only illuminates when used in a wired installation.
- 7 Pull the battery tab out as shown in Figure 4 below. Then discard tab properly.

**Figure 4** Doorbell—Battery Pull Tab



- 8 Replace the sensor cover.
- 9 Ensure that the drain (weep hole) is facing downward.

**NOTE:** If the cover does not snap in place, the Doorbell may have been installed upside down.

### Inserting and Replacing the Battery

To insert or replace the battery:

- 1 Unwrap the doorbell.
- 2 Insert a small flat head screwdriver at the top the backplate to remove it.
- 3 Use the battery pull tab to remove the old battery.

**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.

- 4 Reinsert the pull tab and new battery. The plus (+) side of the battery should be facing up.
- 5 Replace the doorbell backplate.

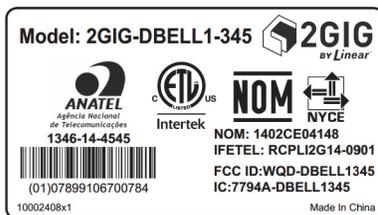
**WARNING:** Failure to follow these warnings and instructions can lead to heat generation, rupture, leakage, explosion, fire, or other injury, or damage. Do not insert the battery into the compartment in the wrong direction. Always replace the battery with the same or equivalent type (see *Specifications* below). 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, seek immediate medical attention.

**WARNING:** This Perchlorate warning applies only to Manganese Dioxide Lithium cells sold or distributed ONLY in California, USA. Perchlorate Material-special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

## SPECIFICATIONS

Wireless Signal Range	350 ft (106.7 m), open air, with 2GIG Wireless Control Panel
Code Outputs	Alarm; Alarm Restore; Supervisory; Low Battery
Transmitter Frequency	345.000 MHz (crystal controlled)
Unique ID Codes	Over one (1) million different code combinations
Supervisory Interval	70 minutes
External Input Sampling Current	20 µA
External Input	24V AC Standard Doorbell Circuit
Sensor Dimensions (HxD)	2.75 x 1.17 x 0.63 in (6.99 x 2.97 x 1.60 cm)
Weight (including battery and magnet)	1.1 oz (31.2 g)
Housing Material	ABS Plastic
Color	White
Operating Temperature	14° to 104° F (-10° to 40°)
Relative Humidity	5-95% Non-Condensing
Battery (installed with pull tab)	One (1) CR 2032 3V or equivalent Lithium battery
Certification	Anatel, ETL, FCC, IC, IFETEL, 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 Nortek Security & Control 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 Nortek Security & Control LLC or through Nortek Security & Control LLC's normal distribution channels. Nortek Security & Control 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 Nortek Security & Control 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 Nortek Security & Control LLC Warranty is in lieu of all other warranties expressed or implied.

#### 2GIG

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Visit [www.2GIG.com](http://www.2GIG.com) or [dealer.2gig.com](http://dealer.2gig.com) technical support hours of operation

#### For technical support outside of the USA and Canada:

Contact your regional distributor  
Visit [www.nortekcontrol.com](http://www.nortekcontrol.com) for a list of distributors in your region

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