



2GIG-FTD100-345

345S
SECURITY SENSOR

Wireless Dual Flood-sensing Water and Temperature Detector

General Information

The 2GIG-FTD100-345 is a fully supervised, one-way 345 MHz detector. It will detect wet or dry floor conditions as well as the ambient temperature. The detector reports wet/dry conditions and when specific temperature thresholds are exceeded. The detector offers flexible signal transmission options, supporting both encrypted and non-encrypted modes, and is compatible with 2GIG wireless alarm systems.

Installation & Mounting Guidelines

Flood Conditions

Once the detector probe detects the presence of water, the integrated transmitter will immediately send a loop 1 wet alarm transmission to the panel. The detector will also send a restore (dry) report when the presence of water is no longer detected. The detector is capable of detecting clean or dirty fresh water, salt water, and tap water.

The 2GIG-FTD100-345 utilizes a unique design that can detect leaks dripping onto its top or if there is water under the device. This dual sensing technology is perfect for placement under P traps or hoses that may leak, giving a warning just as the leak starts. If a leak occurs at a different location, it will also be detected when the water is sensed under the device.

Temperature Conditions

Heat:

- If the temperature is more than 95° F (35°C) for three (3) minutes, the sensor will send a loop 2 transmission.
- If the temperature is less than 95° F (35°C) for three (3) minutes, the sensor will send a loop 2 clear.

Cold:

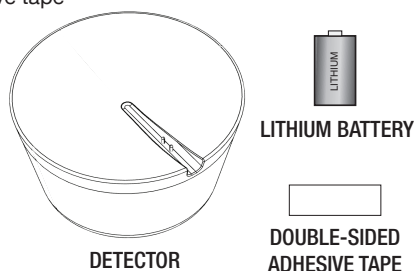
- If the temperature is less than 41°F (5°C) for three (3) minutes, the sensor will send a loop 1 transmission.
- In the temperature is more than 41°F (5°C) three (3) minutes, the sensor will send a loop 1 clear.

Contents

Verify that the package includes the following:

- 1 — 2GIG Flood/Temperature Sensor
- 1 — 3V CR123A Lithium Battery (Installed)
- 1 — Double sided adhesive tape

Figure 1 Temperature/
Flood Detector Contents



Replacing Battery

- 1 Grip the base of the detector case, turn the top cover counter-clockwise to align the dots, then separate the detector case.
- 2 Remove old battery and dispose of properly (following state regulations).
- 3 Install the new battery and close the case.

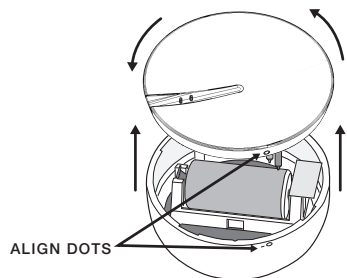


Figure 2 Opening the Detector Case

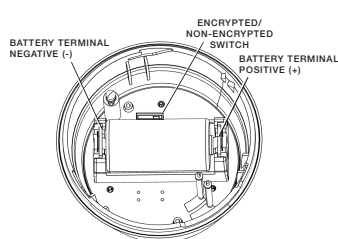


Figure 3 Installing New Battery

Encrypted/Unencrypted Mode Switch

The detector is capable of transmitting signals in encrypted mode or non-encrypted mode. The mode is set through a switch inside the detector (see Figure 3). By default, the factory setting is non-Encrypted mode. To change to Encrypted mode:

- 1 Remove the top plastic housing and remove the battery from the board.
- 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.

If the detector was previously learned into a panel in a different mode, reset the zone and re-learn in the detector. If applicable, enter the detector equipment code in sensor zone programming.

Programming

The following steps describe general guidelines for programming (learning) the detector 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 Pull battery pull tab or power cycle the detector to start auto learn with a panel.

Installing the Detector

The 2GIG-FTD100-345 Flood and Temperature Detector can be easily placed in any location. Place the device in locations that have the potential of water leaks or flooding. If placed specifically under a potential leak source, use the included optional double sided adhesive tape to secure it in the desired location (see Figure 4).

Figure 4 Suggested Installation Locations

Metal contacts (see Figure 5) on the top and bottom of the device can detect the presence of water. Be certain to place the detector in a manner that does not impede the detector's ability to detect water.

NOTE: Do not place on a metal or conductive surface.

For example:

- Under sink pipes and under or near your dishwasher
- Adjacent to water heaters, toilets, bathtubs, or showers
- Near the washer and dryer

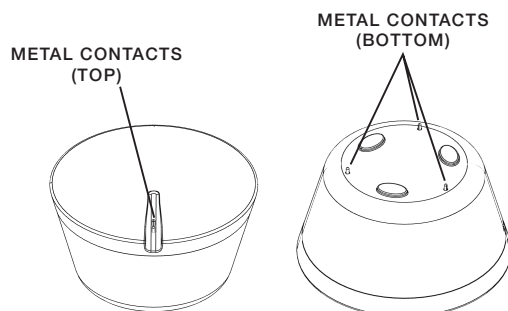
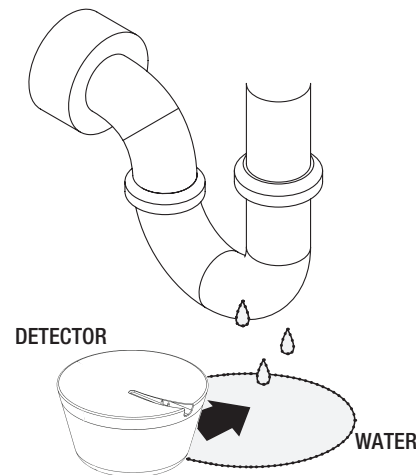


Figure 5 Flood Detector Contacts

Securing the Detector

In areas where the detector could be accidentally moved, secure the detector in place with the provided double-sided adhesive tape.

NOTE: Make sure you secure the tape without covering any of the three metal contacts.

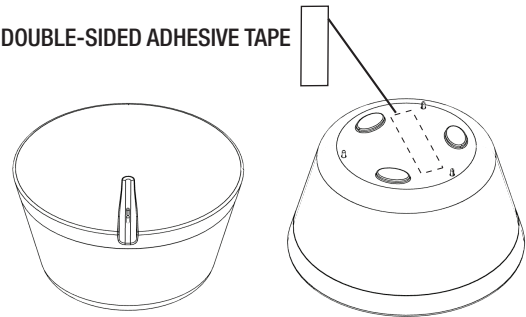


Figure 6 Detector Double-Sided Adhesive Tape Application

Specifications

Operating Temperature	32°to 104° F (0° to 40° C)
Operating Rel. Humidity	5 to 95%, non-condensing
Operating Frequency	345 MHz
Battery Type	CR123A 3V lithium battery
Projected Battery Life	5 years
Supervisory Interval	70 minutes
Panel Programming Sensor Loop	Loop 1: Water Loop 2: Heat Loop 3: Cold
Equipment Code	2065 (Encrypted): 1065 (Non-encrypted)

Regulatory Information

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 to help.

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules and Industry Canada license exempt standard(s). Operation is subject to the following two conditions:

- (3) This device may not cause harmful interference, and
- (4) This device must accept any interference received, including interference received that may cause undesired operation.

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.

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.

Cet appareil est conforme à la norme CAN ICES-003 (B)/NMB-003 (B).

Cet appareil contient des émetteurs / récepteurs exempt (s) de licence qui sont conformes aux RSS exemptes de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Cet équipement est conforme aux limites d'exposition aux rayonnements de la IC établies pour un environnement non contrôlé. Cet équipement doit être installé et fonctionner à au moins 20cm de distance d'un radiateur ou de votre corps. Cet émetteur ne doit pas être co-localisé ni fonctionner en conjonction avec une autre antenne ou un autre émetteur.

FCC

Federal Communication Commission (FCC) Radiation Exposure Statement:

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

IC

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

WARNING: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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.



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Contact your regional distributor.

Visit www.2gig.com/dealers for a list of distributors in your region.



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