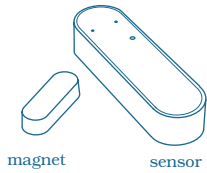


# Door Detector



## Installation Manual

Version 4.4

### Product description

The Door Detector senses and reports opening and closing of doors used to enter and exit the home. Easily installed on any door, the pieces trigger a signal when parted. **The Door Detector is an integral part of the Quil Assure system**, distinguishing between someone leaving the home and periods of inactivity within the home. It is also a safety measure, letting you know if a door has been left open, or is opened when you're away.

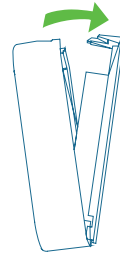
### Precautions

- When removing the cover for battery change, electrostatic discharge can harm electronic components inside.
- Do not place the sensor close to magnetic or electromagnetic fields. This device includes a magnet. The magnet creates a magnetic field that may cause damage to computer hard drives, magnetic cards, data storage devices, hearing aids, speakers, etc. Therefore, we strongly advise you to never position the magnet close to electronic devices.

### Getting started

1. Read the **Placement**, **Mounting**, and **Mounting Examples** sections below before getting started!
2. Use the Quil Assure app to pair your Door Detectors with the Hub. You can do this while Onboarding when you first create your account, or later from the My Devices link in the More menu.

3. When the app instructs you to add batteries, open the casing of the device by pushing the fastening on top of the device to remove the front panel from the back cover.



4. Insert the enclosed batteries into the device, respecting the polarities.
5. Close the casing.
6. The Door Detector will now start searching for the Hub, which the app has put in pairing mode. This should take less than one minute.
7. If the search for the Hub has timed out, a short press on the button marked with a small circle on the front of the sensor will restart it.
8. While the Door Detector is searching for the Hub, the yellow LED will flash.
9. The app will let you know when the Door Detector has successfully paired with the Hub.

### Placement

- Keep the sensors within a temperature range of 32-122°F.
- **Always mount indoors**, as the sensor is not waterproof.
- **Door Detectors should be placed on all doors used to enter and exit the home.**
- Place the Door Detectors about as high as you can comfortably reach. It should be high enough that it won't get bumped into, but low enough for you to take down to change the batteries.
- **Do not place the Door Detector on the side of the door with the hinge.**

### Mounting

- Read **this section** and the **Mounting Examples** sections before getting started!
- Clean the surface before mounting.
- The magnet has to be placed on the side of the sensor marked with a small grey arrow, centered with the arrow.

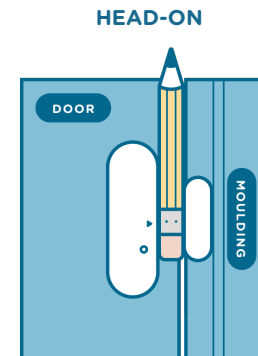
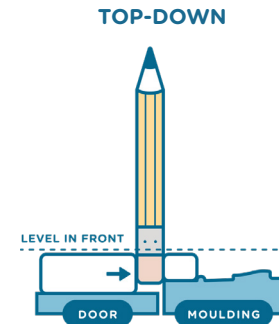


- **Once mounted, the magnet and sensor must be level with each other as you look at them top down. Imagine holding a ruler across them; the ruler must be flat. See Mounting Examples for illustrations.**
- **The sensor is usually mounted on the door. The magnet is usually mounted on the moulding or door frame, depending on your door configuration. Do not place both pieces on the same surface; when the door is opened, they should separate from each other.**
- Double stick tape is already applied on the back of the sensor and magnet. Press firmly to mount.
- **The sensor and magnet should be mounted about a pencil width apart from each other.** If your door requires, you can usually place them farther apart, not to exceed a distance of 4 cm between the magnet and the arrow on the sensor. The exception is if you are dealing with a magnetic surface (e.g. a metal door or frame). In that case the distance between the arrow and the magnet must be less than 1 cm.

### Mounting Examples:

#### Traditional Configuration

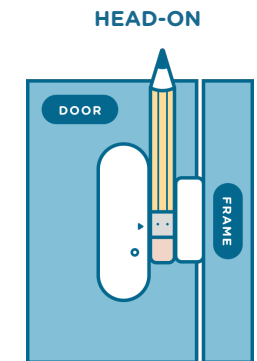
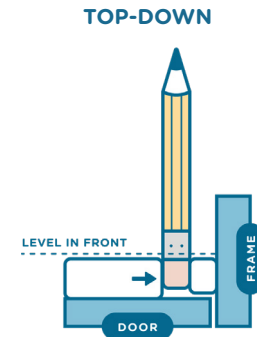
- In most states and homes, doors used to enter and exit the home open toward the inside. From the inside, where you will mount the Door Detector, the door and the moulding are parallel to each other.
- In this configuration, **you will mount the sensor on the door and the magnet on the moulding**, so they are level from the front. Remember to follow all directions in the **Mounting** section above.



### Mounting Examples:

#### 90-degree Configuration

- In some states, like Florida, doors used to enter and exit the home open toward the outside. From the inside, where you will mount the Door Detector, the door and the doorframe are perpendicular to each other.
- In this configuration, **you will mount the sensor on the door and the magnet on the frame**. You may want to practice your placement before using the sticky tape, because in this configuration it's a little more difficult to ensure 1. **The two pieces are level with each other from the front** and 2. **The top of the magnet (now facing the sensor) and the sensor are a pencil-width apart.**



## Testing

Always test your Door Detector before moving on. Slowly open and close the door. You should see a **single green flash both when you open the door, and when you close it**. If you do not see a green flash, or you see a double green flash, double check the position of your Door Detector with the directions above.

## Resetting

You may need to reset the sensor to trouble-shoot abnormal behavior.

### STEPS FOR RESETTNG

1. Locate the reset button, marked with a small ring on the front of the sensor.
2. Press and hold down the reset button for approximately 15 seconds. This can be difficult and will be easier if you take the front panel of the Door Detector down from the door and hold it against the edge of a hard surface, like a table. Hold the reset button down while using your other hand to ensure the batteries stay put.
3. While you are holding the button down, the LED first flashes once, then two times in a row, and finally numerous times in a row.
4. Release the button while the LED is flashing numerous times in a row.
5. After you release the button, the LED shows one long flash, and the reset is completed.

## Modes

### ACTIVATION MODE

A single green flash means the sensor and magnet have moved apart, or come back together. This is normal and desired behavior.

### SEARCHING HUB MODE

Yellow flashes every second mean the device is searching for a Hub.

### LOST CONNECTION MODE

When the yellow LED flashes 3 times, it means the device has failed to connect to a Hub.

### LOW-BATTERY MODE

Two consecutive yellow LED flashes every 60 seconds mean the battery should be replaced.

## Troubleshooting

- There may be an issue with your Door Detector if: **1.** You do not see a single green flash upon opening or closing the door, or **2.** You are receiving insights from the app that your Door Detector is loose or broken, or that your door has been left open when you know it has not.
- **If this happens, it is imperative that your Door Detector is fixed. A malfunctioning Door Detector will produce inaccurate insights.**
- **The probable cause of an issue with your Door Detector is the positioning of the two pieces.** Re-review the directions above and adjust the positioning. If you need help, or continue to have issues, please contact Customer Care.
- If you are getting a low signal warning in the app, you can try relocating the Hub to a more central area of the home.

## Battery replacement

**CAUTION: RISK OF EXPLOSION IF BATTERIES ARE REPLACED BY AN INCORRECT TYPE. DISPOSE OF THE BATTERIES IN ACCORDANCE WITH INSTRUCTIONS.**

**CAUTION: When removing cover for battery change - Electrostatic Discharge (ESD) can harm electronic components inside**

1. Open the casing of the device by pushing the fastening on top of the device to remove the front panel from the back cover.
2. Replace the batteries respecting the polarities. The Door Detector uses two AAA batteries.
3. Close the casing.
4. Test the Door Detector.

## Other information

Note local regulations about information to your insurance company regarding installed Door Detector.

## Disposal

Dispose the product and battery properly at the end of life. This is electronic waste which should be recycled.

## FCC statement

Changes or modifications to the equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with part 15 of the FCC 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.

## IC statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

## ISED statement

Innovation, Science and Economic Development Canada ICES-003 Compliance Label: CAN ICES-3 (B)/NMB-3(B).

## CE certification

The CE mark affixed to this product confirms its compliance with the European Directives which apply to the product and, in particular, its compliance with the harmonized standards and specifications.



## IN ACCORDANCE WITH THE DIRECTIVES

- Radio Equipment Directive (RED) 2014/53/EU
- RoHS Directive 2015/863/EU amending 2011/65/EU

## Other certifications

- Zigbee Home Automation 1.2 certified.



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