



# DesignLine Recessed Door Contact Installation Instructions

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## Introduction

This is the GE *DesignLine Recessed Door Contact Installation Instructions* for model TX-1510-01-1. The TX-1510-01-1 is the industry's most flexible supervised, recessed door contact allowing a multitude of applications while hiding the transmitter within a door frame. The contact uses a replaceable lithium battery and should last five years under normal usage.

The contact comes with a standard flush-mount top and a flanged top. Unscrew the top to access the battery or change to a different top.

## Battery installation

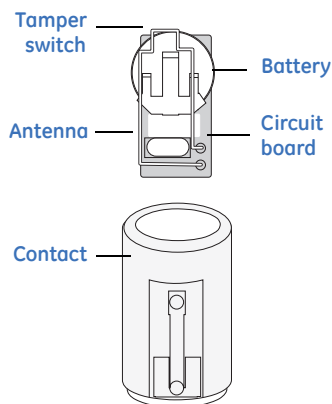
To install the battery, do the following:

1. Unscrew the top of the contact.
2. Carefully pull the circuit board out (*Figure 1*) of the contact. Before removing the circuit board, notice that it fits inside a channel on the inside of the case. Do not pull the circuit board unit by the antenna wire.



**CAUTION:** You must be free of all static electricity before handling sensor circuit boards. Touch a grounded, bare metal surface before touching circuit boards or wear a grounding strap.

Figure 1. Battery installation



3. Slide the battery onto the circuit board unit with the plus (+) side up.
4. Slide the circuit board unit into the contact. Make sure you slide it back into the channel guides for proper fit with the tamper switch facing up.
5. Screw the top back on the contact.

When replacing batteries, use only Panasonic Lithium CR23 batteries for replacement.



**WARNING:** The battery may explode if mistreated. Do not recharge, disassemble, or dispose of in fire.

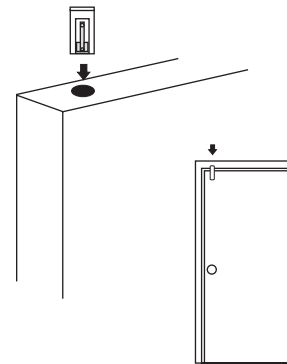
## Mounting

It is important to select the proper placement of the recessed transmitter and magnet. The transmitter has two separate tops that allow a flush mount or screw mount in case you accidentally over drill the hole or require extra support to ensure the transmitter does not move. The magnet does not have a second flanged top so you must be careful to ensure that the magnet is tightly in place once installed.

To mount the transmitter and magnet, do the following:

1. Install the CR2 battery if you have not already done so (*Figure 1*).
2. Select a location on the door frame for the TX-1510-01-1 transmitter and magnet to be installed (*Figure 2*). Use a marker to mark the placement and ensure that the two holes you intend to drill are lined up directly across from each other.

Figure 2. Mounting



**Note:** This is only one mounting option. You should select the best mounting method based on the application.

3. Using an 7/8 in. drill bit, slowly drill the first hole for the magnet. The TX-1510-01-1 was specifically designed to be slightly larger than an 7/8 in. hole so you will need to carefully drill to fit by slowly routing the hole little by little to ensure a snug fit.
4. Using a 7/8 in. drill bit, drill the mating hole for the transmitter and use either the standard flush-mount cap and insert the transmitter for a snug fit, or use the flanged cap and use the screws provided to mount the transmitter to the door frame.

## Enrolling

The following section describes general guidelines for programming (learning) the sensor into the panel's memory. Refer to your panel documentation for complete programming details.

To program (learn) the contact into the panel, do the following:

1. Unscrew the top of the contact.
2. Set the panel into program mode.
3. Refer to your panel documentation for instructions for learning sensors.
4. Press and release the tamper switch on the top of the contact circuit board (*Figure 1* on page 1) until the panel responds.
5. Replace the contact top.
6. Exit program mode.

## Specifications

Battery	CR2032, 3 VDC, 225 mAh, Lithium Coin Cell
Typical battery life	5 to 8 years
Transmitter frequency	319.508 MHz (crystal-controlled)
Transmitter frequency tolerance	± 8 kHz
Bandwidth	24 kHz
Modulation type	Amplitude shift key (ASK)
Unique ID codes	16 million
Peak field strength	Typical 35,000 uV/m at 3 m
Supervisory interval	64 minutes
Operating temperature	10 to 120°F (-12 to 49°C)
Enclosure	PC-540
Weight	0.63 oz. (18 g)
Dimensions (L x W x H)	1.70 x 1.10 x 0.91 in. (4.32 x 2.76 x 2.32 cm)
Color	Belgian gray

**FCC** This device complies with part 15 of the FCC rules. Operation is subject to the following conditions:

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

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

FCC ID: B4Z-TX-1510-01

Industry Canada ID: 1175C-TX151001

### Technical support

**Toll-free:** 888.GESECUrity (888.437.3287) in the US, including Alaska and Hawaii; Puerto Rico; Canada.  
Outside the toll-free area: Contact your local dealer.

[www.gesecurity.com](http://www.gesecurity.com)