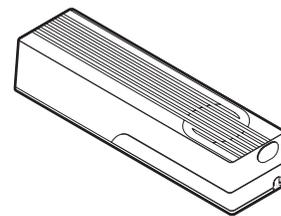


Learn Mode Freeze Sensor

ITI Part No. 60-742



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Installation Instructions

Product Summary

The ITI Learn Mode™ Freeze Sensor detects a furnace failure in a home or business. The Freeze Sensor contains a bimetallic switch wired to a transmitter. It activates the switch when the surrounding temperature drops to about 41°F. After the sensor is tripped, the Freeze Sensor will send a restore signal to the panel when the temperature rises to 50°F.

Tools and Equipment Needed

- Slotted screwdriver, if using screws instead of the included double-faced tape
- The panel installation instructions, for more detailed instructions on programming sensors
- Ice cube
- Plastic bag

Installation Guidelines

Do

- Keep the transmitter within 100 feet of the panel. In open air, the transmitter has a range of 500 feet, but the indoor range will be shorter.
- Locate the sensor in an area that is likely to get cold first.
- Locate the sensor on an interior wall where there is free movement of air.
- Program and test the Freeze Sensor before you permanently attach it to anything.

Do not

- Locate the sensor in the same room as a furnace, water heater, or any other heat source that may stay warm after the furnace fails.
- Locate the sensor on an outside wall or near the basement floor.
- Place in areas with excessive metal or electrical wiring; these may keep the sensor's signals from reaching the panel.
- Place sensor in an area where it will be exposed to moisture.
- Place sensor in a location where the temperature will exceed the sensor's operating limits of 10° to 120°F.

Programming

Follow these instructions to program the freeze sensor:

1. Open the control panel cover.
2. Enter Utility Access Code 1 or 2 using the red-numbered buttons.
3. Press Add from the Start Menu.
4. Press the Sensor/Remote button from the Main menu until you hear the location you wish to use with the sensor.

The order of names the Control Panel uses are: key-chain remote, touchpad remote, front door, back door, garage door, bedroom, guest room, child's room, utility room, living room, dining room, bathroom, laundry room, kitchen, office, den, garage, special chime, basement, upstairs, downstairs, hallway, medicine cabinet, closet, attic. Each name may be used more than once.

Note

When adding sensors, if you wish to use a more descriptive location you may press the option button to use the compass directions (north, north east, east, south east, south, south west, west, north west).

5. Press DONE.
6. Enter the sensor type number (29) with the red numbered keys.

Note

If you wish to use a sensor number other than the next available, enter a 2 digit sensor number with the red numbered keys immediately after entering the sensor type.

7. Press the button on the top of the sensor (cover removed) until the control panel confirms the programming. If the button is not held down long enough, SYSTEM STATUS will report the sensor is open.

Testing

Perform Sensor Test

The following steps describe the guidelines for testing sensors.

1. Open the Control Panel cover.
2. Enter the Utility Access Code 1 or 2 using the red-numbered buttons.
3. Press the Test button once.
4. Press DONE.
5. Trip the sensor by pressing the button on the top of the sensor (cover removed) until the control panel indicates the number of RF packets received. If the button is not held down long enough, SYSTEM STATUS will report the sensor is open.
6. Note the number of siren beeps indicating how many RF packets the Control Panel received from the sensor. You should hear 7-8 beeps.

To test sensor operation:

1. Make sure the Freeze Sensor is in its secure (non-alarm) state.
2. From the panel, begin a sensor test, as explained above.
3. To trip the Freeze Sensor, use a piece of ice in a plastic bag to cool the bimetallic switch. When the bimetallic switch reaches approximately 41°F, the sensor sends an RF signal to the panel.
4. Note the number of beeps, which indicates the device's signal strength.
5. The Freeze Sensor will reset when the surrounding temperature reaches 50°F.

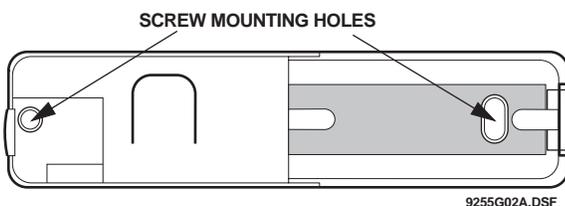
Installation

In case there are problems with the Freeze Sensor, permanently install it only after programming and testing it.



CAUTION
You must be free of all static electricity when handling sensors. Touch a grounded metal object before handling the circuit board.

1. Secure the sensor base to the clean, dry, nonporous mounting surface using the double-faced tape.
- Or*—Follow steps 2 through 7 to secure the sensor base to the mounting surface using the screws (included).
2. Remove the Freeze Sensor's outer cover by pressing the round button on the end of the sensor.
 3. Remove the batteries from the sensor to access the screw mounting holes underneath it.
 4. Use the included #6 pan head screws to secure the sensor base to the mounting surface. If mounting on plaster, use the appropriate fasteners. Use the slotted mounting hole for alignment (see Figure 5).



5. Location of screw mounting holes
6. Replace the batteries.
7. Replace the sensor's outer cover.

Specifications

Battery:	two 1.5 VDC alkaline AAA batteries
Battery life:	4 to 5 years
Compatibility:	Simon™, Generic Loop Receiver
Dimensions:	4.5" × 1.13" × 0.88" (L × W × D)
Temperature range:	10° to 120°F
Supervisory signal transmission:	Every 64 minutes
Transmitter range:	500 feet in open air
Transmitter type:	SAW (Surface Acoustical Wave), 319.5 MHz radio frequency

FCC NOTICE

This device complies with FCC Rules Part 15. operation is subject to the following two conditions:

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

Changes or modifications not expressly approved by Interactive Technologies, Inc. can void the user's authority to operate the equipment.



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