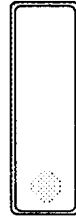


FREEZE SENSOR

ITI Part #60-185

(Not investigated by Underwriters Laboratories)

The ITI Freeze Sensor contains a freeze detector wired to a transmitter. The most common use of a Freeze Sensor is to detect a furnace failure in a home or business. The Freeze Sensor will activate a switch when the temperature drops to about 45°F. In the event the Freeze Sensor is ever tripped, it typically must be heated up to 55° F to 60° F for it to reset.



INSTALLATION CONSIDERATIONS

More than one Freeze Sensor may be necessary to adequately cover a large home or business. If only one Freeze Sensor is installed, keep in mind that it monitors an open area of about 900 square feet (30' x 30'). Thus, be sure to install the Freeze Sensor in an area of the home or business that is likely to get cold first in the event of a furnace failure. In general, mount a Freeze Sensor on an interior wall in an open, heated area of the building.

DO

- 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.

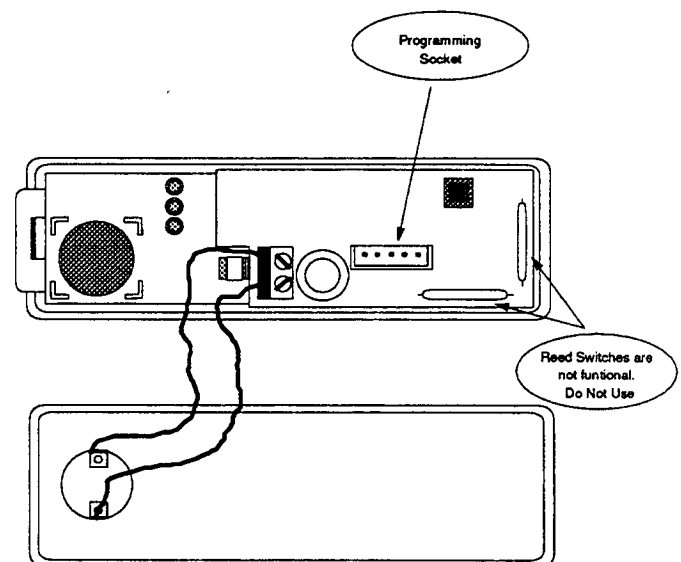
DON'T

- locate the sensor in the same room as a furnace, water heater, or any other heat source that may stay warm after the furnace failed.
- locate the sensor on an outside wall or near the basement floor.

INSTALLATION OF THE FREEZE SENSOR

- 1 Remove the transmitter cover by pressing on the cover end to disengage the top of the cover from the slot in the sensor base.
- 2 Remove the circuit board to expose the two mounting holes.

Mount sensor with the sensing element down. This will prevent damage to the transmitter board when the "ice cube" test is performed in the next section.



- 3 Secure the sensor in the position shown at right. One of the screw holes is slightly larger to allow for alignment. Use #6 screws to mount on wood or appropriate fasteners if mounting on other material.
- 4 Replace the sensor circuit board. Place the reed switch end in first then snap the board in place. Be sure the locking tab is secure.
- 5 If you haven't done so, program the sensor typically 12 - 17 (see programming section).
- 6 Replace the transmitter cover.

TESTING THE FREEZE SENSOR

Arm the CPU to Level 9 and place an ice cube in a plastic bag (or freeze mist spray) against the flat surface of the thermostatic disc. The Freeze Sensor will activate the transmitter as soon as it is cooled to 45°F. This should take less than five minutes. To reset the Freeze Sensor, warm it with your thumb.

NOTE: If the Freeze Sensor is not tested shortly after it has been programmed, an open sensor condition will be displayed on the CPU. This is because the CPU has not received a restore signal from the sensor when the tamper switch was activated during programming. When the sensor sends the supervisory signal (within 69 minutes) the restoral will be given. *Upon a successful test of the sensor, the sensor will be reset and the CPU will no longer protest.*