## Table of Contents



*Notice: Properly functioning Smoke Alarms give earlier warning than Heat Alarms in nearly all residential fires. This is because detectable levels of smoke almost always develop before detectable levels of heat.*

*Sure Signal recommends a combination of early-detecting Smoke Alarms and reliable Heat Alarms installed in their appropriate locations throughout the home.*

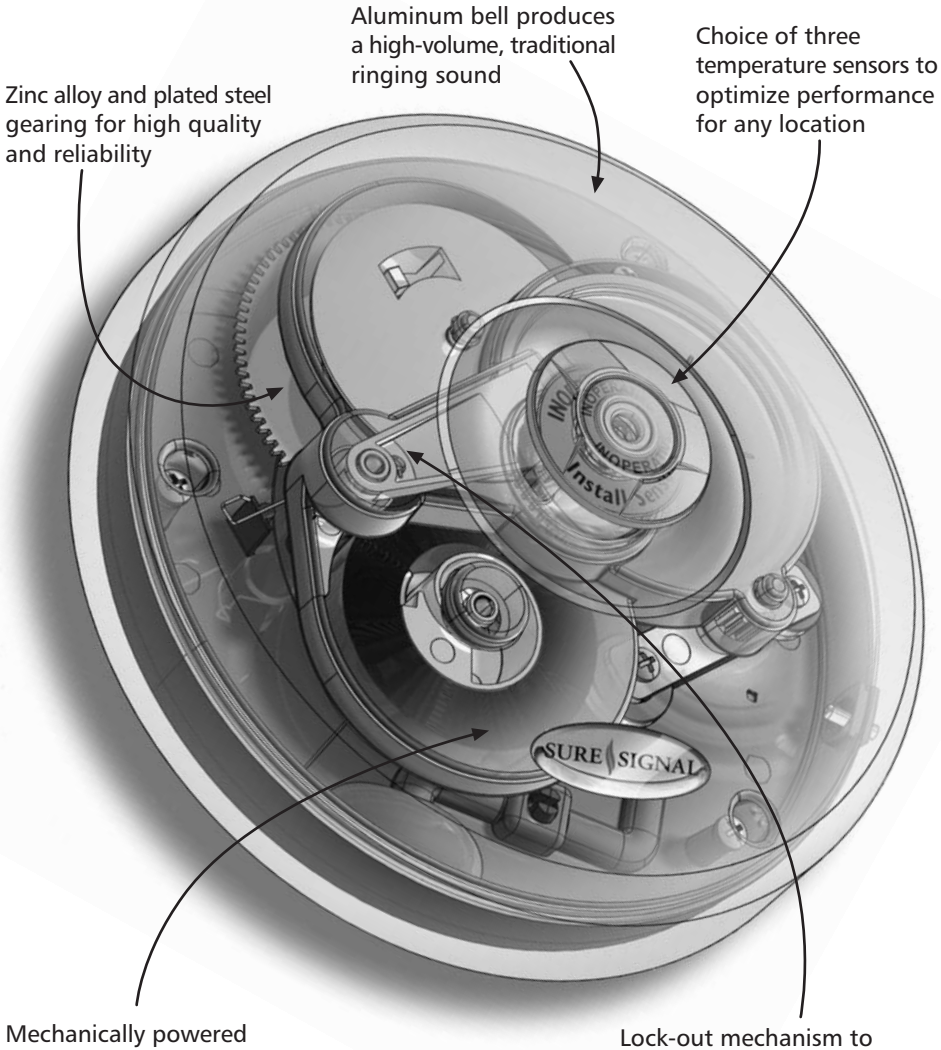
*Heat and Smoke Alarms are not a substitute for an adequate homeowner's fire insurance policy.*



## About Your New Heat Alarm

Thank you for purchasing the GS-10 Heat Alarm from Sure Signal Products. The Heat Alarm plays an important role in protecting your family and home from the dangers of fire. Please carefully read and follow the information in this booklet to ensure that your Alarm operates properly and is located in the area best suited for heat activation.

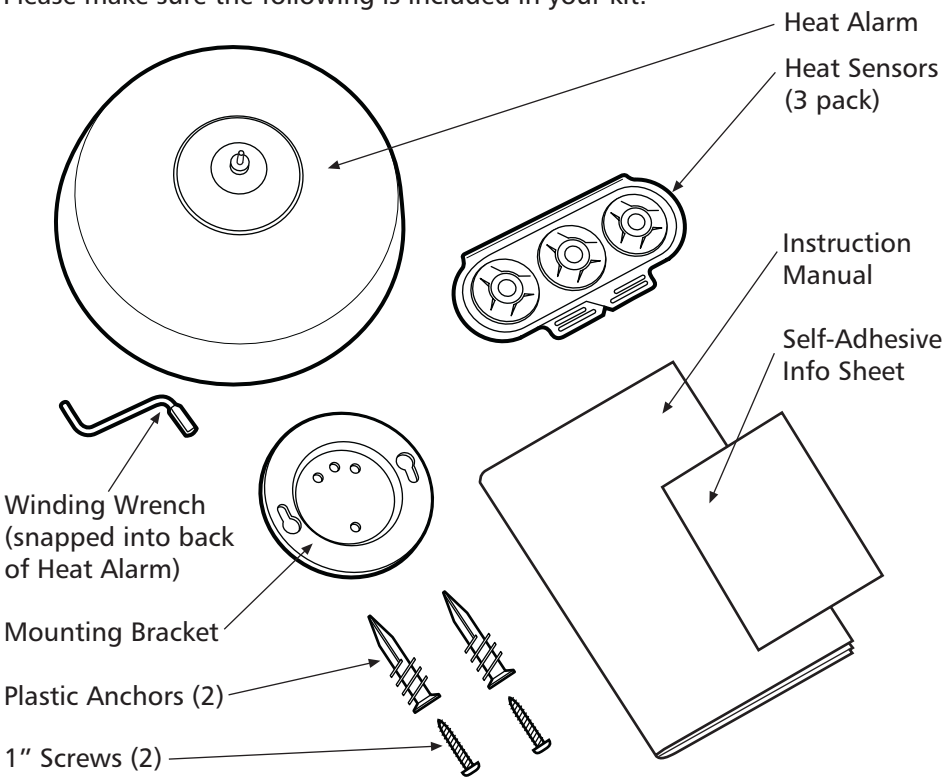
## What Makes the GS-10 Different?




**Metal construction - not plastic!**

## Contents of Your Kit

Please make sure the following is included in your kit:




## Features

Activated by heat, not smoke. $117^0$, $136^0$ and $175^0$ F Sensors are available ($47^0$, $58^0$, and $79^0$ C). See underside of Sensor for temperature value.

Mechanically powered, requiring no batteries or electrical wiring.

Metal construction ensures extreme reliability and long life.

Generates a loud, unique mechanical ringing when activated by heat.

Not affected by dust, bugs or the byproducts of cooking, making it ideal for household locations not typically suitable for traditional smoke alarms.

A bright orange warning area indicates when a sensor needs replacement.

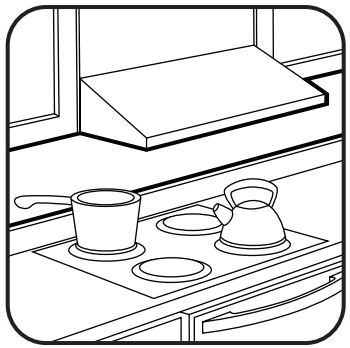
Alarm audibility / functionality can be easily tested by removing the Heat Sensor.

Space rating of 50' (15.2m) protects a room up to 35' by 35' (10.7m by 10.7m).

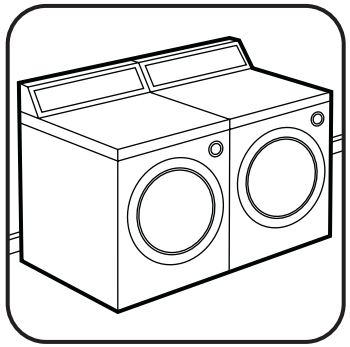
No maintenance required.



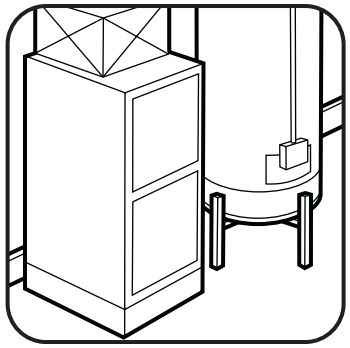
## Recommended Locations for your Heat Alarm



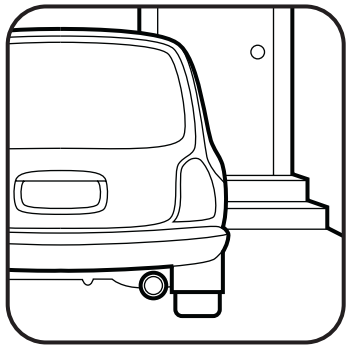
**Kitchens.** Most household fires originate in the kitchen. The GS-10 is ideal for the kitchen since it is not activated by the byproducts of cooking, i.e. smoke or cooking scents. The recommended Heat Sensor rating is 117°F (47°C).



**Laundry Areas.** The low volume steam and gases produced by dryers and other equipment will not trigger the Heat Alarm. The recommended Heat Sensor rating is 136°F (58°C).



**Utility and Furnace Rooms.** The low volume steam and gases produced by mechanical equipment will not activate the GS-10. The recommended Heat Sensor rating is 136°F (58°C).

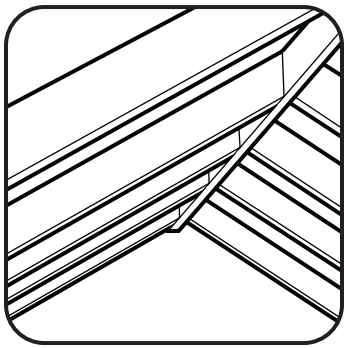


**Attached Garages.** Exhaust gases from vehicles will not trigger the Heat Alarm. The recommended Heat Sensor rating is 136°F (58°C).

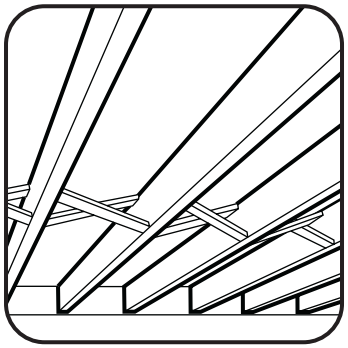
**General Notes:** Test activate the Alarm to ensure that the sound volume is sufficiently loud to warn occupants in other areas of the home.

If the alarm activates but no fire has occurred, a higher temperature sensor should be used.

## Recommended Locations for your Heat Alarm (cont.)



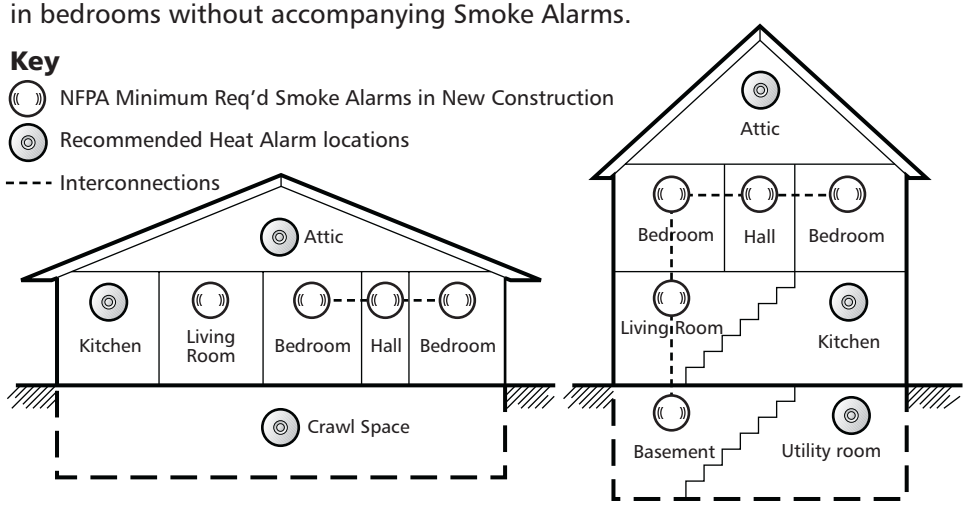
**Attics.** The GS-10 is not affected by dust, small insects or seasonal changes in temperature, and its low-maintenance operation ensures that the alarm will be functional for many years. In attics, a 175°F (79°C) Heat Sensor is recommended, but in cooler regions a 136°F (58°C) Sensor may be used.



**Basements and Crawlspaces.** The GS-10 is not affected by dust, small insects or seasonal changes in temperature, and its low-maintenance operation ensures that the alarm will be functional for many years. The recommended Heat Sensor rating for basements and crawlspaces is 117°F (47°C).

## Complete Home Fire Protection

Sure Signal Products recommends complete home fire protection. This can be achieved by installing a combination of Smoke and Heat Alarms in their appropriate locations in every room of the house. Do not install Heat Alarms in bedrooms without accompanying Smoke Alarms.




**Single Story Homes** **Two Story Homes**



## National Fire Protection Association Standards

This equipment should be installed in accordance with the National Fire Protection Association's Standard 72 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269).

For your information, the National Fire Protection Association's Standard 72, Section 11.5.1 covering required protection in One- and Two-Family Dwelling Units, reads as follows:

11.5.1.1 Smoke Detection. Where required by applicable laws, codes, or standards for the specified occupancy, approved single- and multiple-station smoke alarms shall be installed as follows:

(1) In all sleeping rooms
Exception: Smoke alarms shall not be required in sleeping rooms in existing one- and two-family dwelling units.

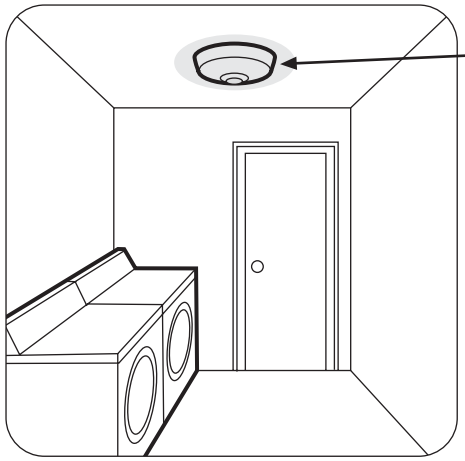
(2) Outside each separate sleeping area, in the immediate vicinity of the sleeping rooms

(3) On each level of the dwelling unit, including basements
Exception: In existing one- and two-family dwelling units, approved smoke alarms powered by batteries shall be permitted.

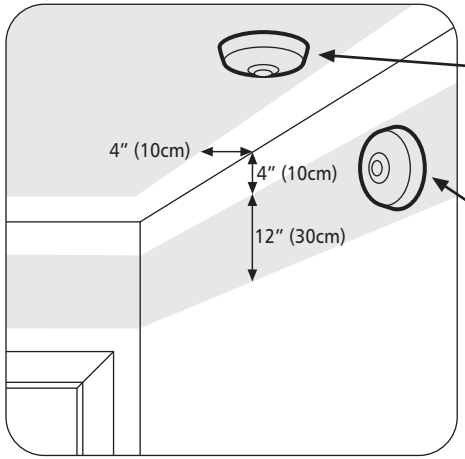
11.8.4 Heat Detection.
General. While Chapter 11 does not require heat detectors as part of the basic protection scheme, it is recommended that the householder consider the use of additional heat detectors for the same reasons presented under A-11.8.3. The additional areas lending themselves to protection with heat detectors are the kitchen, dining room, attic (finished or unfinished), furnace room, utility room, basement, and integrated or attached garage. For bedrooms, the installation of a smoke detector is recommended over the installation of a heat detector for protection of the occupants from fires in their bedrooms.

Note: Applicable building codes or other local laws may require the installation of additional fire alarms in addition to the minimum recommeded by the NFPA.

## Choosing the Mounting Location in a Room

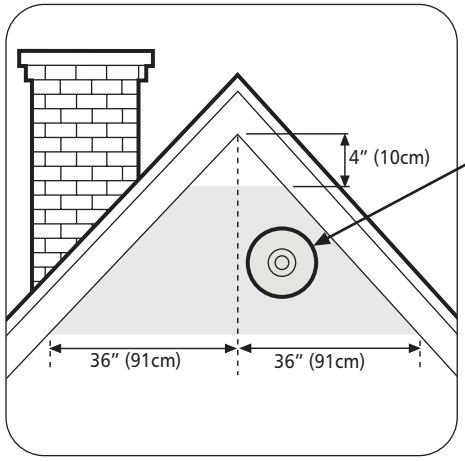


**BEST**
Center on ceiling.



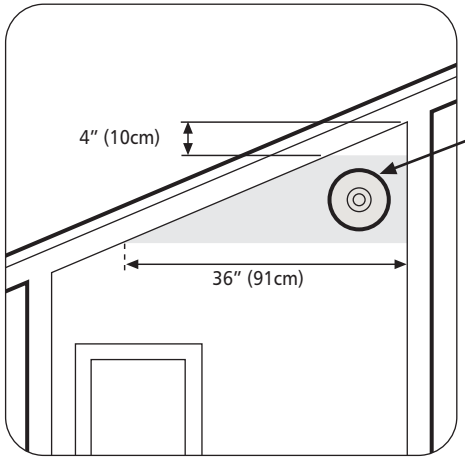

**ACCEPTABLE**
On ceiling, at least 4" (10cm) from intersection with wall.

**ACCEPTABLE**
On wall, at least 4" (10cm) from ceiling, and within 16" (41cm) of intersection with ceiling (if local codes permit wall mounting).

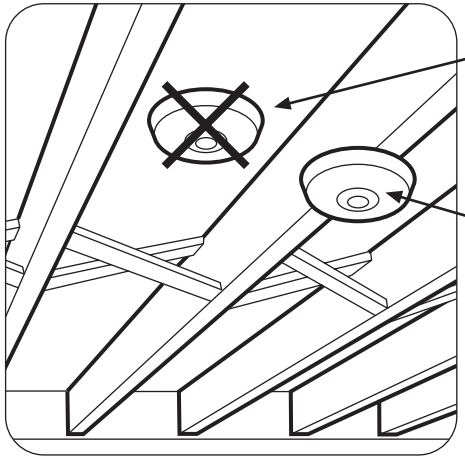



**ACCEPTABLE**
On peaked celings or roofs, mount at least 4" (10cm) from the upper corner, but high enough to allow a maximum of 36" (91cm) of horizontal air space as measured off the peak.

Do not mount Heat Alarm between joists or rafters; mount on the exposed surface of the joist.

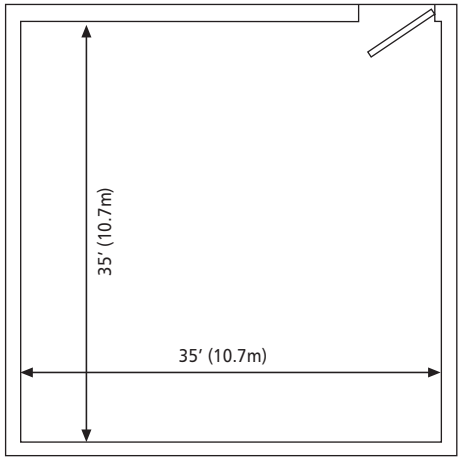



**ACCEPTABLE**
On sloped ceilings, at least 4" (10cm) from the upper corner, but high enough to allow a maximum of 36" (91cm) of horizontal air space as measured off the peak.



**NO!**
Do not install between joists or rafters.

**OK**
Install on exposed face of joist or rafter.

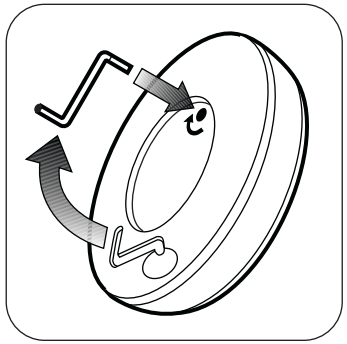



**ROOM COVERAGE AREA**
The Heat Alarm has a space rating of 50' (15.2m).

This will cover a room of 35' X 35' (10.7m X 10.7m).

**General Note: DO NOT** install within 36" (91cm) of heating/cooling vents, or where drapes or furniture impede air flow.

## How to Wind the Alarm and Install the Sensor

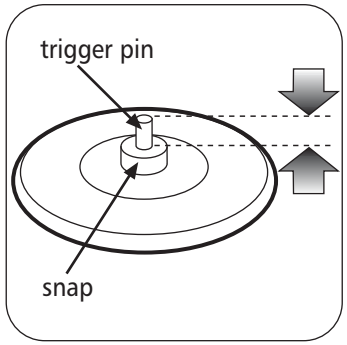


### 1 Insert Key

Insert winding wrench (located in pocket on back of Alarm) into slot.


### 2 Wind

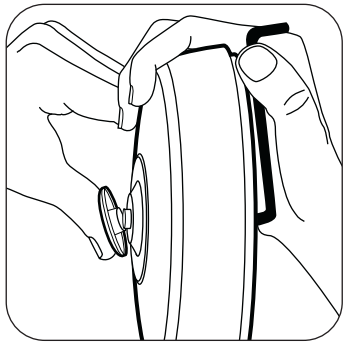
Wind wrench clockwise until it stops (38 turns), and HOLD the winding key in this position.




### 3 Hold and Check

Still holding winding key, ensure that the Alarm is fully wound by checking that the trigger pin can be depressed to the level of the chrome snap.

Note: The Sensor will snap into place only if the trigger pin can be fully depressed!



### 4 Snap Sensor Into Place

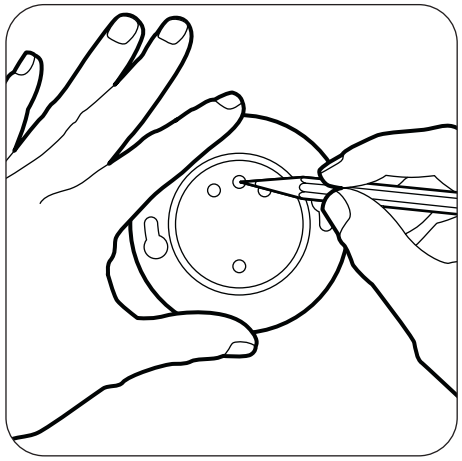
Still holding winding key, use thumb to press the Heat Sensor to the snap in the center of the Alarm face. Press the Heat Sensor on its center to avoid damage. Use a rolling motion to help it snap.

Gently release winding wrench. The wrench may travel back a short distance before stopping, causing the alarm to ring briefly.

The Heat Alarm is now ready to be mounted.

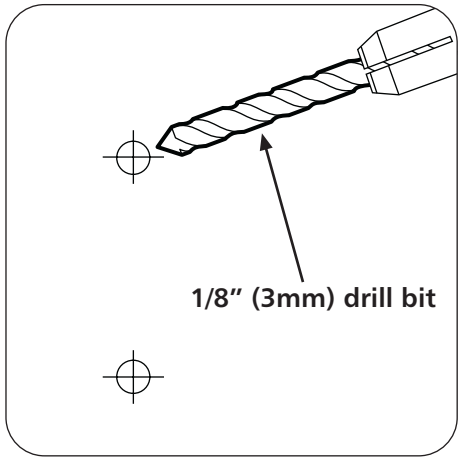


## How to Mount the Heat Alarm



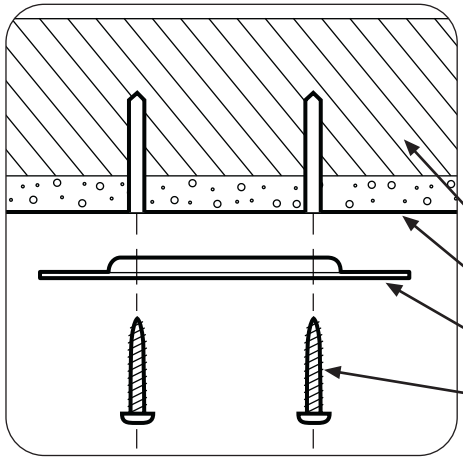
### 1 Mark

Place the mounting bracket against the ceiling or wall, and using the mounting bracket as a template, mark the top and bottom holes with a pencil.




### 2 Drill

Using a 1/8" (3mm) drill bit, drill two pilot holes in the center of the two marked hole locations. This will determine if a wood beam or stud is present.

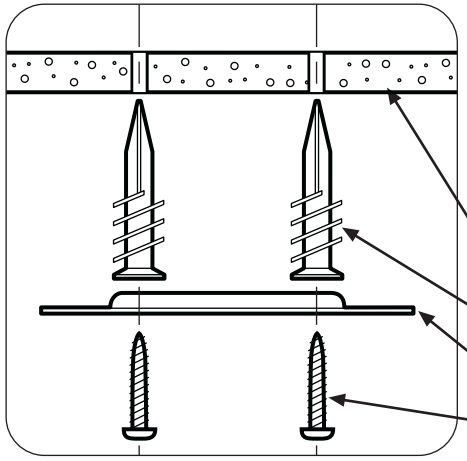



### 3 Fasten Bracket

**Situation A: Wood**

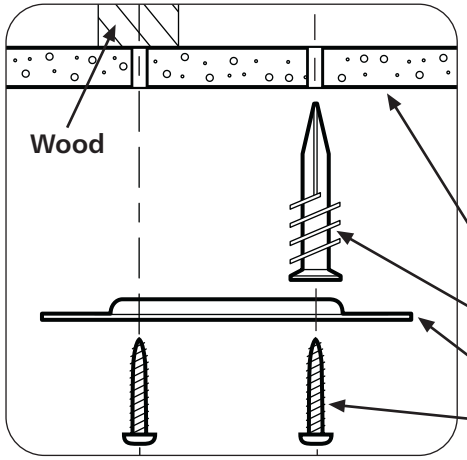
If wood is present behind the drywall, securely fasten the mounting bracket to the wall using the two 1" screws.

## How to Mount the Heat Alarm (cont.)




### Situation B: No Wood

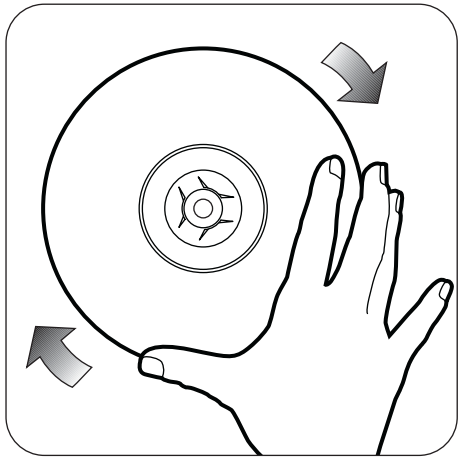
If no wood is present, use a Phillips screwdriver to screw the two plastic wall anchors into the pre-drilled holes until fully seated. Then secure the mounting bracket to the wall anchors using the two 1" screws.




### Situation C: Combination

Where there is no wood present, first screw the plastic wall anchor into the pre-drilled hole using a Phillips screwdriver.

Then secure the mounting bracket in place using the two 1" screws.



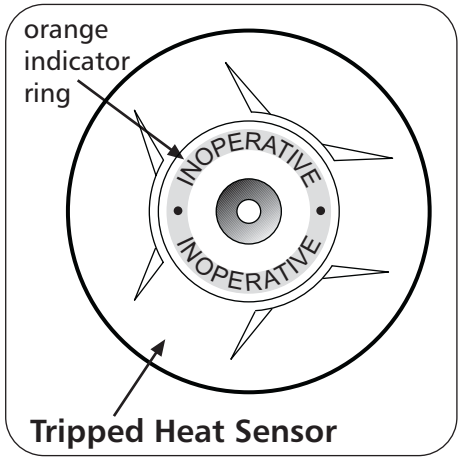
### 4 Lock in Place

Position the fully powered Heat Alarm to the center of the bracket and turn clockwise. The Alarm will lock into place.



## Testing and Maintaining your Heat Alarm

Although no maintenance of the Heat Alarm is required, Sure Signal strongly recommends annual inspection and testing to ensure familiarity with the Alarm's function and unique sound.




A visual examination of the Alarm should be done periodically to ensure that it is still active, and has not been tripped. A bright orange indicator in the center of the Sensor indicates that it has been tripped and MUST be replaced. Attic Alarms in particular should be checked periodically to ensure they are still set.

A larger bright orange warning label is visible if no Sensor is installed.

To activate the Heat Alarm as part of a fire drill or annual inspection, simply remove the Heat Sensor from the center face of the Alarm. The Alarm will ring for approximately five minutes. When finished, rewind and reinstall the Heat Sensor to the Alarm.

The Heat Alarm can also be tested by exposing the Heat Sensor to high temperatures (such as a hair dryer or heat gun). However, this will require the replacement of the Heat Sensor upon completion of the test. Before undertaking this type of test activation, be sure you have a replacement Sensor available. Extreme care should be taken to avoid burns during this test.

If cleaning of the Alarm becomes necessary, use only water with a mild detergent.

DO NOT SUBMERGE the Alarm in any liquid. Thoroughly dry the Alarm prior to re-hanging.

DO NOT PAINT any surface of the Alarm or Heat Sensor.

## Important Fire Safety Information

Be prepared for fire emergencies:

**Plan Your Escape**
- Draw a floor plan of your home.
- Show two ways out of each room.
- Discuss escape routes with everyone in your home.
- Agree on an outside meeting place where you'll gather after escaping.

**Be Prepared**
- Familiarize every member of the household with the sound of the Smoke and Heat Alarms.
- Have everyone in the home memorize the fire department's emergency phone number.
- Instruct each person to call the emergency number from a neighbor's phone or a mobile phone used outside the home.
- Teach everyone to unlock and open all windows, and release security bars.
- Make sure security bars are equipped with quick-release devices.
- Keep exits clear and free from clutter.

**Practice!**
- Hold home fire drills at least twice a year.

**Get Out and Stay Out**
- Once you've escaped from a fire, do not go back inside for any reason.
- Make fire drills realistic by pretending some escape paths are blocked by smoke or fire.

**If you live in an apartment building**
- Learn and practice your building's evacuation plan.
- If you hear a fire alarm, react immediately.
- Know the location of all building exits and fire alarm boxes.
- Use the stairs ... never use an elevator during a fire.
- If exits are locked or blocked, report the problem to your building's management.

**Escape Tips**
- Close doors behind you as you escape to slow the spread of fire and smoke.
- If you have to escape through smoke, crawl on your hands and knees, keeping your head one to two feet above the floor, where the air will be clearest.
- Test the doorknob and spaces around the door with the back of your hand. If the door is warm, try another escape route. If the door is cool, open it slowly. Close it quickly if smoke pours through.



## Limited Warranty Information

Subject to the conditions and limitations set forth in this paragraph, Sure Signal warrants each Alarm manufactured and sold, against defects in material or workmanship, for a period of 10 years from the date of purchase. For any Alarm that is determined to be defective, Sure Signal will replace the Alarm at no charge. In addition, Sure Signal will replace at no charge any Alarm activated and damaged by a residential fire, upon its receipt of a satisfactory testimonial letter from the homeowner as well as the damaged Alarm. No warranty is provided or will be honored for any Alarm as to which the factory applied serial number has been altered or removed, in whole or in part. Written proof of purchase of the Alarm within the warranty period must be presented to obtain warranty coverage. This warranty does not cover cosmetic damage or damage attributable to or arising from accident, misuse, abuse, improper installation, erroneous instructions provided to the ultimate consumer, arson, negligence, commercial use, or to any modification or alteration of an Alarm or any component thereof. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON ANY ALARM IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**Heat Alarm Returns:**
To return Heat Alarms under warranty, send the Heat Alarm with postage prepaid, a note describing the nature of the difficulty, and proof of purchase date to:

**Sure Signal Products, Inc.**
11331 Markon Drive
Garden Grove, CA 92841
United States of America