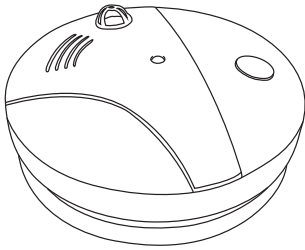


**PRODUCT MANUAL  
FF9VHA**



The Family First Heat Alarm is designed to sense excessive heat. It does not sense gas, smoke or flames. The heat alarm will sound when sensing the heat from a developing fire and can give extra, precious time for you and your family to escape. However the reliability of the heat alarm's warning comes only if the heat alarm is installed in a suitable location and maintained as per this user manual.

**WARNING:** As Heat Alarms are not designed to detect smoke they alone are not sufficient for life safety. Heat Alarms should be installed in addition to smoke alarms as further source of information to increase the likelihood of early warning in the event of fire. This heat alarm is designed to detect a temperature in the range of 54°C - 70°C.

**WARNING:** This heat alarm is not suitable for use in non-residential buildings. Warehouses, industrial or commercial buildings and special purpose non-residential buildings require special fire detection and alarm systems. This heat alarm alone is not a suitable substitute for complete fire detection systems for places where many people live or work, such as hotels or motels. The same is true for dormitories, hospitals, nursing homes or group homes of any kind, even if they were once single family homes.

The heat alarm sound is loud however it may not alert every occupant of the household in time. There may be circumstances where the occupant of the household is unable to hear the alarm such as internal or external noise, deep sleep, alcohol or drug use, or impaired hearing. Occupants must hear the alarm and respond quickly to minimise risk of damage, injury or death that may result from a fire emergency.

This heat alarm can only sound an alarm when it detects temperatures of 54°C - 70°C.

Depending on the nature of the fire emergency hazardous levels of toxic chemicals and smoke can build up before a heat alarm will emit its warning sound. Furthermore temperatures may not reach the level at which the heat alarm activates in time to allow safe escape.

The heat alarm may give a delayed warning or no warning at all in the following circumstances.

1. Slow smouldering fire
2. Low heat producing fire
3. Fire in a location such as a different room to that in which the heat alarm is located
4. The heat from the fire may not activate the alarm due to the relative position of the alarm and the fire
5. Drafts moving the heat of fire away from the alarm

This heat alarm is not guaranteed to protect lives or property. Heat Alarms are not a substitute for insurance. Householders should insure their lives and property. The Heat Alarm is an electronic device. Electronic devices may fail at any time.

Heat Alarms have limitations and should not be the only method of fire warning installed.

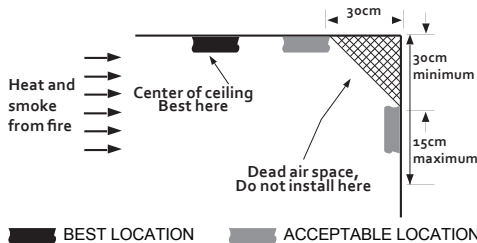
Do not paint this heat alarm.

**WHERE TO INSTALL YOUR ALARM**

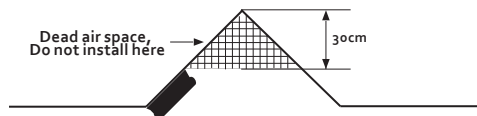
Heat alarms are suitable for use in areas with high levels of fumes, smoke or dust such as kitchens, garages and cellars which are not ideal for smoke alarms due to the risk of false alarm.

It is recommended that a Heat Alarm is installed in every room for best protection.

The Heat Alarm should be installed as close to the centre of the ceiling as possible. If it is not possible to install the Heat Alarm in the centre of the room mount the Heat Alarm no closer than 30cm from a wall or corner. On sloped, peaked or gabled ceilings, install the Heat Alarm 30cm from highest point. If only wall placement is possible, install no further than 30cm from ceiling (see figure 1). Ceiling mounted alarms should be located on the bottom of joists or beams in rooms with open joists or beams.



**FIGURE 1: RECOMMENDED BEST & ACCEPTABLE INSTALLATION LOCATIONS**



**FIGURE 1: RECOMMENDED INSTALLATION LOCATION FOR ROOMS WITH SLOPED, PEAKED OR GABLED CEILINGS.**

Heat alarms should not be used in high air circulation areas such as hallways or stairwells. If the design of the dwelling does not comply with modern fire safety standards and if the dwelling is occupied by young children, elderly occupants, disabled people or smokers it is recommended that additional detection devices are installed within rooms.

If portable heaters, sold fuel fires or electric blankets are used it is recommended that additional detection devices are installed within rooms.

Be sure no door or other obstruction blocks the path of heat to the heat alarm.

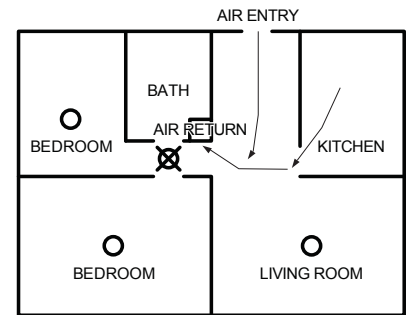
- Install a heat alarm on every floor of a multi-floor home or apartment.
- Install a heat alarm inside every bedroom.
- Install heat alarms in your living room, dining room, family room, attic, utility and storage rooms.

**LOCATIONS NOT TO INSTALL YOUR HEAT ALARM**

Nuisance alarms take place when heat alarms are installed in locations where they will not function properly. To avoid nuisance alarms do not install heat alarms in the following situations;

- In kitchens with few windows or poor ventilation.
- Directly over cooker, oven or stove.
- In damp or very humid areas such as bathrooms, showers or laundries. Moisture can enter the sensing chamber. This may cause nuisance alarms. Install at least 3 metres from bathrooms.
- In very cold or very hot areas, including unheated buildings or outdoor rooms, where the temperature goes above or below the operating range of the heat alarm, it will not work properly. Operating temperature range for the heat alarm is 4°C to 38°C.
- Adjacent to or directly above heaters, air

- conditioning vents or ceiling fans
- In areas where the temperature may fall below -23°C or rise above 88°C.
- Closer than 30cm to light fittings
- In positions where it is dangerous to reach in order to test, maintain or replace the battery.
- Do not install in garages where there may be vehicle exhaust.
- Do not install near furnaces, hot water heaters or space heaters.
- Check figure 2 which indicates air flow paths and correct/incorrect heat alarm installation locations.
- Do not install near fresh air vents or draft prone areas adjacent to air conditioners, heaters or fans. This can cause heat to be driven away from the heat alarm.
- Dead air spaces occur at the top of a peaked roof, or in corners between ceilings and walls. Dead air may prevent warm air from reaching a heat alarm. See figure 1 & 2 for recommended installation locations.
- Near fluorescent lights as electrical 'noise' can cause nuisance alarms. Install heat alarms at least 1.5 metres from such lights.



**FIGURE 2: RECOMMENDED HEAT ALARM LOCATIONS TO AVOID AIR FLOW PATHS**

**IMPORTANT:** Never remove batteries to stop a nuisance alarm. Open a window or fan the air around the heat alarm to disperse the warm air. Once the heat has gone the alarm will turn itself off.

**WARNING:** Do not stand close to the heat alarm when the alarm is sounding. The alarm is loud in order to wake you in an emergency. Prolonged exposure to the alarm at close range may be harmful to your hearing.

**INSTALLING YOUR HEAT ALARM**

The Family First Heat Alarm FF9VHA should be mounted on the ceiling or on the wall if necessary. This heat alarm is a single station type and it cannot be linked with other heat alarms.

Read "LOCATIONS TO INSTALL YOUR HEAT ALARMS" and "LOCATIONS NOT TO INSTALL YOUR HEAT ALARMS" section in this manual first, and then decide where to install the heat alarm.

*Please follow these steps to install your heat alarm;*

- To install the heat alarm use a fixing system appropriate for the surface on which the unit is being mounted.
- At the installation locations draw a horizontal line about 15cm long.
- Remove the mounting bracket from your unit by rotating it counter clockwise.
- Place the bracket so that the two longest hole slots line up with the horizontal line. In each of the keyhole slots, draw a mark to locate a mounting plug and screw.
- Remove the bracket and use a 5mm drill bit to drill two holes at the marks. Insert the plastic wall plugs. During drilling ensure that the heat alarm is put away and not in contact with plaster dust.
- Using the two screws and plastic wall plugs (supplied) attach the bracket to the ceiling.
- Line up the slot of the bracket and the heat alarm. Push the heat alarm onto the mounting bracket and turn it clockwise to fix it in place. Pull gently on the heat alarm to make sure it is securely attached to the mounting bracket.

Please follow these steps to install a battery in your heat alarm;

- Match the battery terminals with the connections on the heat alarm.
- When the terminals are properly matched, push the battery firmly in until it snaps and cannot be shaken loose.

**CAUTION:** This heat alarm comes with cover latches that will prevent the heat alarm cover from closing if the battery is not installed. The battery is purposely positioned incorrectly in the factory to keep it fresh till installation. It must be re-positioned correctly to provide DC power.

**NOTE:** When the heat alarm battery first makes contact with the heat alarm, the alarm may sound for one second. This is normal and indicates that the battery has been installed properly. Close the cover and press the test button, hold it down for about five seconds until the alarm sounds. If the alarm sounds a loud, pulsating alarm then the unit is working properly.

#### RED INDICATOR

The red LED, or the ALARM indicator, is a feature on the heat alarm. When the heat alarm is functioning normally the LED will flash once every 32 seconds. When the heat alarm senses increased heat it will then simultaneously sound an alarm and the LED will flash once every 0.67 seconds.

#### TESTING YOUR HEAT ALARM

Test the heat alarm weekly by pushing firmly on the test button until the alarm sounds. Testing method may take up to 20 seconds to sound the alarm. These are the only ways to be sure that the heat alarm is working correctly. If the heat alarm fails to test properly, have it repaired or replaced immediately.

**WARNING:** Never use an open flame to test your heat alarm. You may set fire to the heat alarm as well as your home. The built in test switch accurately tests all heat alarm functions. This is the only correct way to test the unit.

**WARNING:** When you are not testing the unit, and the alarm sounds a long continuous sound, this means that the heat alarm has sensed heat. Be sure that the alarm is a warning of a possible serious situation, which requires your immediate protection.

**NOTE:** Do not disconnect the battery from the heat alarm. This will remove your early warning from possible fire.

If the alarm begins to sound once per minute it means that the battery is weak. Replace with new battery immediately. Always keep fresh batteries on hand for this purpose.

#### TAKING CARE OF YOUR HEAT ALARM

To keep your heat alarm in good working order, you must test the it weekly, following instructions from the section "TESTING YOUR HEAT ALARM"

- Replace the heat alarm battery once a year, or immediately when the low battery alarm sounds once per minute. A low battery alarm should last at least 30 days.

**NOTE:** For replacement batteries use Eveready #522, #1222, #216; Duracell #MN1604; Gold Peak #1604P, #1604S or Ultralife #U9VL-J.

**WARNING:** Do not use any other kind of battery as this heat alarm may not operate correctly.

- Open the cover and vacuum the dust off the heat alarm's sensor at least once a year. This can be done when you open the heat alarm to change the battery. Remove battery before cleaning. To clean heat alarm use the soft brush attachment on your vacuum. Carefully remove any dust on heat alarm components. Be sure to replace the battery after cleaning. Test heat alarm to ensure the battery is

properly installed, and check to make sure that the test button is not obstructed. If there is any dust in the test button, insert a toothpick from the back to the front.

**NOTE:** If nuisance alarms keep coming from the heat alarm please check if the installation location is suitable. Refer to the section "WHERE TO INSTALL HEAT ALARMS". Move your heat alarm if it's installed in an incorrect location. Clean heat alarm as described above.

- Clean heat alarm cover when it gets dirty. First open the cover and remove battery. Hand wash cover with cloth dampened by clean water. Dry it with a lint-free cloth. Do not get any water on the heat alarm components. Replace the battery and close cover. Test heat alarm to make sure that the battery works correctly.

#### HEAT SENSOR TESTING

- To test the heat alarm is should be subjected to a flow of warm air, at a temperature of between 60°C - 82°C. This requirement can be met by some domestic hair dryers.
- Proceed as follows;
- Switch on warm air flow and check that the temperature is correct and stable.
- From a distance of a few centimetres, direct the airflow at the guard protecting the thermostat. The heat alarm should sound within 30 seconds.
- When the alarm sounds immediately remove the heat source and check that the heat alarm's red LED is lit. Reset the heat alarm from the control panel.
- If the heat alarm fails to sound within 30 seconds it is too insensitive and needs to be returned to the distributor for replacement or servicing.
- After testing, check that the system is set for normal operation.

#### 5 YEAR WARRANTY

The heat alarm is warranted to be free from defects in materials and workmanship for five (5) years from the date of purchase and is not transferable under normal use. The warranty does not cover natural disasters such as fire, flood, hurricanes and tornados. Warranty is conditional on the heat alarm being used in the normal way and not being modified or subject to attempted repairs or contamination. The warranty excludes the battery, incidental and consequential damages. Your statutory rights as a consumer are in no way compromised by this warranty. Master Distributors Pty Ltd agrees to repair or replace, at its option, any defective heat alarm provided it is returned personally or by prepaid delivery with a copy of proof of purchase. This warranty does not cover damages resulting from lack of reasonable care of the product.

*Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.*

Subject to those non-excluded rights and provisions and the above warranty, Master Distributors Pty Ltd will not be liable for injury to persons, damage to property, or for any direct or indirect or consequential damage as a result of negligence or fault on the part of Master Distributors Pty Ltd or it's servants, agents, suppliers and contractors or otherwise arising out of or resulting from, whether directly or indirectly, the use, installation or maintenance of the heat alarm and any warranties or representations are excluded unless given by Master Distributors Pty Ltd in writing. Please leave this document, or a copy, for the end user.

**FOR MORE INFORMATION AND FAQ PLEASE VISIT [WWW.FAMILY-FIRST.COM.AU](http://WWW.FAMILY-FIRST.COM.AU)**



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