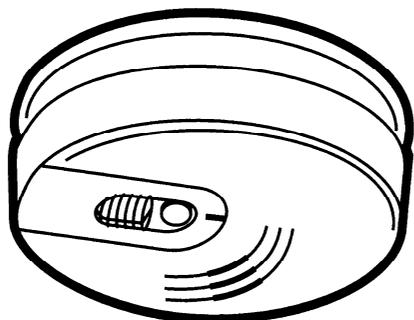




## Clipsal Lifesaver® Heat Alarm

### Installation/Operating Instructions and Warranty

#### 755H Heat Alarm



#### 240V~, 50Hz, Heat Alarm with 9V DC battery backup

Suitable for interconnection with up to 39 Smoke and Heat Alarms.

**WARNING.** Heat Alarms alone are not sufficient for life safety as they are not designed to detect smoke. They are intended to detect a temperature of 73°C to comply within the range of 58°C to 88°C per AS 1603.3-I 996, to provide additional source of information that is supplementary to that provided by Smoke Alarms to increase the probability that an early warning will be provided and so enhance life safety and property protection. See "Heat Alarms Have Limitations" in the IMPORTANT SAFETY INFORMATION section of this manual.



**IMPORTANT:** Please leave this manual with the owner.

#### HEAT ALARM DESCRIPTION:

Model 755H Heat Alarm, 240V~, 50Hz, with 9V DC battery backup.

Thank you for purchasing a quality Clipsal Lifesaver® 755H Heat Alarm. The 755H Heat Alarm is a mains powered device, with a battery backup that will operate in the event of mains power failure. The alarm will sound when it detects a temperature of 73° to comply within the range of 58°C to 88°C per AS1603.3-I 996. Please read the following instructions carefully to ensure correct installation and maintenance.

These units are not designed to detect flame.

A 5-year warranty (excluding batteries) is included. A licensed electrician or similarly qualified person to SAA Wiring Rules (AS3000) and relevant Building Codes must carry out installation of the Clipsal Lifesaver® 755H Heat Alarm.

#### HEAT ALARMS HAVE LIMITATIONS

The Clipsal Lifesaver® Series Heat Alarm is not foolproof and is not warranted to protect lives or property from fire. Heat Alarms are not a substitute for insurance. In addition, it is possible for the Heat Alarm to fail at any time. For this reason you must test the Heat Alarm weekly and replaced every ten years.

#### HEAT ALARM FEATURES

- The Heat Alarm is powered from a 240V~ supply, and has a 9V DC battery back-up source. Mains powered Heat Alarms with battery back up offer added protection in the event of a power failure or a flat battery.
- This model 755H Heat Alarm may be interconnected with as many as 39 other Heat Alarms of the same model, or 39 of any of the Clipsal Lifesaver®, 755 series, 240V~ Smoke Alarms, connected to the same phase.
- Optional tamper resistant feature serves as a safeguard against tampering.
- Unique "battery missing" device. The Heat Alarm will not attach to the mounting bracket if a battery is not in the battery compartment.
- The Heat Alarm will sound a short beep about once a minute if the battery is low or improperly connected.
- Multi-purpose green and red LEDs indicate that the Heat Alarm is connected to the a.c. supply, is working normally, or is in alarm.
- Loud alarm sounder, 85 decibels [dB(A)] at 3 meters, will sound to alert you in an emergency.
- Test button checks Heat Alarm operation.

#### SPECIFICATIONS

Model Number	755H
Electrical Rating	240V~, 9V DC battery back up
Interconnecting	Up to 39 other Clipsal Lifesaver® series Smoke or Heat Alarms.
Temperature Rating	The alarm point of this Heat Alarm is 73°C to comply within the range of 58° to 88°C per AS1603.3-I 996
Recommended Coverage	50m <sup>2</sup>
Recommended Spacing	5.3m
Maximum Distance from Wall	7.7m
Maximum Ceiling Height	6.0m
Compatible Isolation Unit	Catalogue No. 756

#### IMPORTANT SAFETY INFORMATION

##### Please read and save these instructions

- This Heat Alarm requires constant 240V~ power and a healthy 9V DC battery to operate properly. This Heat Alarm will not work if a.c. supply is not connected, or has failed or been interrupted for any reason, and the batteries have been removed or are flat or improperly connected. Do not use any other kind of battery except as specified in this manual. Do not interconnect this Heat Alarm to any other type of Smoke Alarm or Heat Alarm or auxiliary device, except those listed in this manual.
- The Push-to-Test button accurately tests all Heat Alarm functions. Do not use any other test method for routine testing. Test Heat Alarm weekly to ensure proper operation.
- Higher ceilings will increase the time needed by the Heat Alarm to detect a fire. In most dwellings the ceiling height will keep this reaction time within acceptable limits. However, ceilings with a height of over 6 metres may delay the reaction time of the Heat Alarm significantly.
- Advice from your local distributor or Fire Brigade should be obtained when installing a Heat Alarm on a ceiling higher than 6m.
- Only a qualified electrician or similarly qualified person should install this Heat Alarm. The installation should comply with all prevailing local, regional and national codes.
- This Heat Alarm is designed to be used only as part of the protection of a single-family dwelling or a house in multiple occupation of no more than two storeys. It may also be used in conjunction with Smoke Alarms within individual flats or apartments in larger houses in

multiple occupation, to provide an early warning to occupants of a fire in a room within the dwelling but a communal fire alarm system should also be provided in such cases.

- Heat Alarms should only be used in conjunction with Smoke Alarms, with which the Heat Alarms should be interconnected, in order to provide early warning of heat, smoke, or fire. Smoke Alarms should be installed on every level of the dwelling.
- Interconnected Heat Alarms and Smoke Alarms offer maximum protection. By interconnecting Heat Alarms and Smoke Alarms, when one unit senses heat, smoke, or fire, and sounds its alarm, all others will sound as well. Do not connect this Heat Alarm to any other type of alarm (except those stated in this manual) or approved auxiliary device.
- Heat Alarms interconnected with Smoke Alarms may not alert every household member in time. The alarm sounder of the Heat Alarm is loud in order to alert individuals of a potential danger. However, there may be limiting circumstances where an occupant may not hear the alarm (eg. outdoor or indoor noise, sounder sleepers, drug or alcohol usage, impaired hearing, etc.) Household members must hear the alarm's warning sound and quickly respond to it to reduce the risk of damage, injury, or death that may result from fire.
- Check carefully that, when any one device operates, the alarm signal given by interconnected devices is clearly audible throughout the building, particularly in bedrooms, where it is essential that the alarm signal will wake sleeping occupants.
- This Heat Alarm can only sound an alarm when it detects temperatures of 73°C to comply within the range of 58°C to 88°C per AS1603.3-1 996. Heat Alarms do not sense smoke or gas. In some fires, hazardous levels of toxic chemicals and smoke can build up before a Heat Alarm will operate. Temperatures may not reach the alarm point to activate the Heat Alarm quickly enough to ensure safe escape.
- Some fires are slow smouldering, low heat-producing, or are in a different room to that in which the Heat Alarm is located, or the heat from the fire may bypass the alarm, the Heat Alarm may not give a warning under these circumstances.
- Heat Alarms have limitations. 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 in addition, as with any electronic device, it is possible for the Heat Alarm to fail

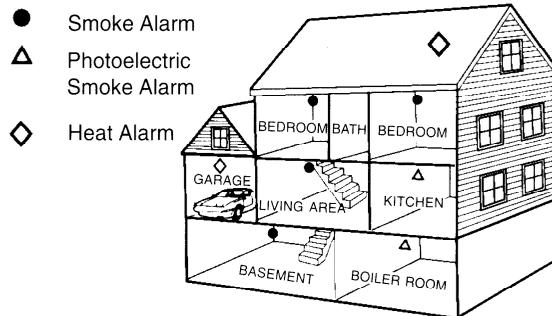
at any time.

- Never paint this Heat Alarm.

#### HEAT ALARM LOCATION

Heat Alarms are ideal for kitchens, garages, cellars, boiler rooms, attics and other areas where there are normally high levels of fumes, smoke or dust which preclude the use of Smoke Alarms due to the risk of false alarms.

For normal-sized houses, two-story houses, flats and maisonettes, it is recommended that the minimum level of protection should comprise Smoke Alarms in the hallways and staircases. This minimum standard necessitates one Smoke Alarm in the hallway of a typical bungalow or one Smoke Alarm on each level of a two-story house. Heat Alarms should not be used in these circulation areas. If there are, for example, long hallways, the standard necessitates additional interconnected Smoke Alarms. If, however, the design of the dwelling does not comply with modern fire safety standards, or if factors such as the presence of several young children, of elderly occupants or disabled people, or of smokers, the use of portable heaters or solid fuel fires during the night, or the use of electric blankets, it is advised that additional detection devices, installed within rooms, may be necessary.



#### DO NOT INSTALL HEAT ALARMS

For best protection, it is recommended that you install a Smoke or Heat alarm in every room. In addition, it is recommended that all Smoke and Heat Alarms should be interconnected. Install Heat Alarm as close to the centre of the ceiling as

possible. If the centre is not practical, mount the Heat Alarm no closer than 300mm away from a wall or corner.

In rooms with open joists or beams, all ceiling-mounted alarms should be located on the bottom of such joists or beams and not up in joist channels. On sloped, peaked or gabled ceilings, install Heat Alarm 300mm from highest point. If only wall placement is possible, install no further than 300mm from ceiling.

Do not install Heat Alarms:

- Directly over the cooker, stove or oven.
- In areas with high humidity, like bathrooms or shower rooms, or areas near dishwashers or washing machines. Install Heat alarms at least 3m away from these areas if possible.
- Adjacent to, or directly above, heaters, air-conditioning vents or ceiling fans.
- In an area where the temperature may fall below -23°C or rise above 88°C.
- Near fluorescent lights. Electrical "noise" and flickering may affect the operation of the Heat Alarm.
- Closer than 300mm to light fittings.
- In such a position that it is difficult or dangerous to reach for testing, maintenance or battery replacement.

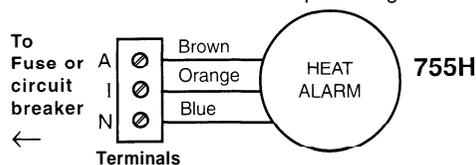
#### HOW TO INSTALL THIS HEAT ALARM

**DANGER**, electric shock hazards. Turn off power to the Heat alarm circuit at the main distribution board by removing the fuse or switching the circuit breaker to the off position and securing it.

**WARNING**, only a qualified electrician in accordance with AS3000 guidelines should install this Heat Alarm. Heat Alarms should be connected on a single independent, dedicated circuit at the main distribution board. No other electrical equipment, except compatible Smoke Alarms, should be connected to this circuit. If your home has residual current device protection on the electrical installation or on individual circuits, check with a qualified electrician to make sure that faults on circuits serving socket outlets or portable appliances cannot cause interruption to the supply to the Heat Alarms.

Heat Alarms may also be connected to a separate electrically protected, regularly used local lighting circuit. However, this will mean that, unless a separate means of isolation is provided for the Heat Alarms, it will be necessary to isolate the lighting circuit every time that there is a need to isolate the supply to the Heat Alarms; this may cause inconvenience or hazards.

1. Connect the Heat Alarm as per the figure below;



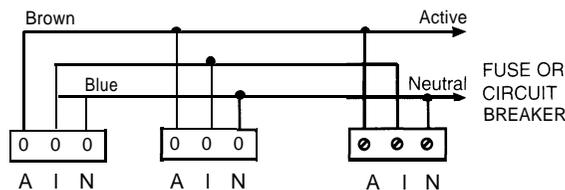
2. Close the cover over the terminal block supplied and fix the junction box in place.
  3. Open the battery compartment door. Connect a healthy 9V DC battery to the battery connector inside the battery compartment. Be sure the battery is securely connected. The Heat Alarm may beep briefly when the battery is installed.
  4. Close the battery compartment door, snapping it into place.
  5. Attach the connector plug to the pins on the back of the Heat Alarm. The plug will only fit one way, and will snap into place.
  6. Gently tug the connector to be sure it is attached securely.
  7. Position the Heat Alarm on the mounting plate and turn it clockwise to lock it into place.
  8. Test the Heat Alarm to verify the 9V DC, battery back-up. See "TESTING THE HEAT ALARM".
- NOTE:** The Heat Alarm will not mount on the plate if the battery is not in place.
10. Turn on the power to the Heat Alarm circuit at the main distribution board.
  11. Test the Heat Alarm for mains supply operation. See "TESTING THE HEAT ALARM".

#### INTERCONNECTING HEAT ALARMS

Use 1.5mm<sup>2</sup> minimum solid or stranded cable with a rating of 240V. When interconnecting Heat Alarms and / or Smoke Alarms, the maximum cable length between any two should be 450m for 1.5mm<sup>2</sup> cable (20 ohm loop resistance.)

This Heat Alarm may be interconnected with as many as 39 other Clipsal Lifesaver 755 Series Heat and Smoke Alarms. Do not connect to any other type of model of Heat Alarm or Smoke Alarm. Connect all interconnected Heat and Smoke Alarms to a single final circuit.

Connecting the switch wire terminal in any other way to that shown in this instruction may result in damage to the Heat Alarm, failure to operate or an electrical shock hazard. It also voids the warranty.



#### RED AND GREEN LED INDICATORS

This Heat Alarm features a red and green LED indicator that can be seen through the clear light pipe on the top of alarm. The LEDs indicate the following:

##### GREEN

ON -AC power is present.

OFF- AC power is not present.

##### RED

BLINKS ONCE A MINUTE · DC power is present indicating normal operation.

OFF- DC power is not present.

BLINKS ONCE A SECOND and unit is sounding alarm · senses temperature of 73° to comply within the range of 58°C to 88°C per AS1603.3-1996.

OFF and unit is sounding alarm · Another interconnected Smoke/Heat Alarm in the network has alarmed.

#### TESTING THE HEAT ALARM

**WARNING,** Test each Heat Alarm and Smoke Alarm to be sure that each is installed correctly and is operating properly. Stand at arm's length from the Heat Alarm when testing. The alarm sounder is loud to alert you to an emergency and can be harmful to hearing. Test the Heat Alarm weekly and upon returning from holiday, or when the house has been unoccupied for several days.

Test all Heat Alarms weekly by doing the following:

1. Check the Test push-button. A constant ON green light indicates the Heat Alarm is receiving a.c. power.
2. Firmly depress the Test push-button for at least five (5) seconds. The Heat Alarm will sound a loud beep. The alarm may sound for up to ten (10) seconds after the Push-to-Test button is released.

**NOTE:** If Heat Alarms are interconnected, all Heat Alarms should sound an alarm within three (3) seconds after any Test button is pushed and the tested Heat Alarm sounds.

3. If the Heat Alarm does not sound, turn off the power to the Heat Alarm circuit at the main distribution board and check the wiring. Retest the Heat Alarm.
4. Do not apply excessive force to the Test push-button. Doing so may damage the unit and void the warranty.
5. Never use an open flame of any type to test the alarm.

You may damage the alarm or set fire to your home. Operating the Test push-button will check for correct functioning.

**WARNING,** If the Heat Alarm sounds, and the Heat Alarm is not being tested, the Heat Alarm is activated and requires your immediate attention and action.

#### MAINTENANCE AND CLEANING

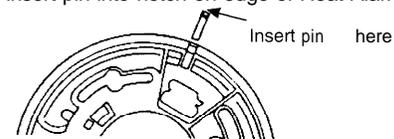
1. If a zinc oxide or alkaline battery is used, the battery should be renewed at least once a year.
2. Heat Alarms are virtually maintenance free. However, vacuuming the unit at least once every six months will remove dust.
3. Wipe the enclosure clean with a water moistened cloth. Do not immerse this unit or use household cleaners. Do not apply paint or spray with any liquid.
4. All Clipsal Heat Alarms are manufactured and tested to rigorous quality standards and have a minimum life expectancy of 10 years. However, for your safety we recommend replacing your Heat Alarm with a new Clipsal unit after 10 years. This will ensure that you are always protected by a Heat Alarm that is operating within the limits of its life expectancy.

**DANGER,** electric shock hazard. Turn off the a.c., supply to the Heat Alarm at the main distribution board by removing the fuse or switching the appropriate circuit breaker to the OFF position before replacing the battery or cleaning the Heat Alarm.

#### FITTING TAMPER PIN

A tamper resistant feature on the Heat Alarm may be used to prevent unauthorised removal of the Heat Alarm from the mounting plate.

- From the back of the Heat Alarm remove the mounting plate. Twist out and remove one of the pins moulded into the plate. (Both pins are exactly the same).
- Position heat Alarm to mounting plate and turn clockwise to lock into place. To engage tamper resist feature, insert pin into notch on edge of Heat Alarm.



#### BATTERY REPLACEMENT

Always turn off the a.c., supply to the Heat Alarm before replacing the battery. Replace the battery at least once annually, or immediately when the low battery signal sounds once a minute, even though the Heat Alarm is receiving a.c. power. Use only the following batteries as replacements in this Heat Alarm: Eveready 216, 522, 1222, Duracell MN 1604 or Ultralife U9VL - J.

The battery should only be replaced by a qualified electrician or similarly qualified person.

**Warning.** Do Not use any other type of battery except as specified in this manual. Do not use rechargeable batteries.

1. Turn off the a.c. power supply to the Heat Alarm at the main distribution board.
2. Turn the Heat Alarm counterclockwise to detach the alarm. (Remove tamper pin if fitted.)
3. Gently pull down the Heat Alarm. Be careful not to separate any wire connections.
4. Pull out the connector plug from the back of the Heat Alarm.
5. Remove the battery from the compartment. Disconnect the drained battery from the battery compartment and discard.
6. Connect a new, healthy 9V DC battery to the connector. The battery will only fit one way. Be sure the battery connector is securely attached to the battery terminals.
7. Place the battery into the battery compartment
8. Close the battery compartment door. Push down until it snaps into place.
9. Using the Push-to-Test button, test the Heat Alarm to verify 9V DC battery back-up. See "TESTING THE HEAT ALARM".
10. Replace the connector plug. The connector will "snap" into place. Gently tug the connector to be sure it is attached properly.
11. Reattach the Heat Alarm to the mounting plate by turning the Heat Alarm clockwise until it snaps into place.
12. Turn on the AC power and test the Heat Alarm using the Push-to-Test button. See "TESTING THE HEAT ALARM".

#### REPAIRS AND SERVICE

This Heat Alarm has no user serviceable parts. Dangerous voltages are contained within, so do not attempt to repair this unit yourself. Instead, this Heat Alarm should be returned to the supplier for service.

#### WHAT TO DO IF THE ALARM SOUNDS

1. Leave immediately, following your family's escape plan.
2. As you leave, don't open any inside doors without first feeling its surface. If the door is hot, or if you see smoke coming through the cracks, do not open the door. Use an alternative exit.
3. If the inside of the door is cool, place your shoulder against it, open it slightly and be ready to slam it shut if heat and smoke rush in.
4. If the air is smokey, stay as close to the floor as possible.
5. Breathe shallowly through a cloth, which if possible should be wet.

6. Once outside, go to your pre-selected assembly area and make sure everyone else is there.
7. Call the Fire Service from a neighbour's home - never from your own.
8. Do not return to your home until fire officials give you permission to do so.

For further information on fire safety, contact your local Fire Service.

#### TROUBLESHOOTING

To be carried out by a licensed electrician or similarly qualified person.

PROBLEM	SOLUTION
Heat Alarm does not sound when tested. Push test button for at least five (5) seconds while testing!	<ol style="list-style-type: none"> <li>1. Check that a.c. power is turned on.</li> <li>2. Turn off power. Remove Heat Alarm from mounting plate and:               <ol style="list-style-type: none"> <li>a. Check that connector plug is securely attached.</li> <li>b. Check that battery is properly attached to connector.</li> <li>c. Vacuum Heat Alarm.</li> </ol> </li> </ol>
Heat Alarm beeps about once a minute. See "Battery Replacement"	<ol style="list-style-type: none"> <li>1. Turn off a.c. power and replace battery in the "<b>MAINTENANCE AND CLEANING</b>" section.</li> </ol>
Heat Alarm sounds unwanted alarms.	<ol style="list-style-type: none"> <li>1. Hire an electrician to move Heat Alarm to a new location. See the "<b>HEAT ALARM LOCATION</b>" and "<b>DO NOT INSTALL HEAT ALARMS</b>" sections of this manual.</li> </ol>
Interconnected Heat Alarms do not sound when system is tested.	<ol style="list-style-type: none"> <li>1. Press and hold button for at least three seconds after the first unit sounds</li> <li>2. Turn off a.c. power or circuit breaker and check the interconnect wiring.</li> </ol> <p>See "<b>INTERCONNECTING HEAT ALARMS</b>" section of this manual.</p>

## WARRANTY

The benefits conferred by this warranty are in addition to all other rights and remedies in respect of the product which the consumer has under the Trade Practices Act and similar State and Territory Laws. The original purchaser of this Clipsal Lifesaver® 755 Series Heat Alarm is provided with the following warranty and subject to the following conditions. Gerard Industries Pty Ltd warrants this product for a period of 5 years from the date of purchase for all parts defective in workmanship or materials. All defective parts will be replaced free of charge. The following exclusions do not preclude the purchaser from those statutory rights consumers have under the Trade Practices Act and similar State and Territory Laws.

#### WARRANTY CONDITIONS

1. This warranty is only valid for products installed according to the manufacturer's instructions.
2. This product must not be modified or changed in any way.
3. All wiring must be carried out by a licensed electrician or similarly qualified person and must be connected to the voltage requirements as specified in the ratings label.
4. The manufacturer does not accept liability for any direct or consequential damage, loss or other expense arising from misuse or incorrect installation and operation of this product.
5. Warranty will only be given on products with proof of purchase date.
6. This warranty does not extend to cover batteries or any faults caused by batteries when incorrectly installed, leaking or otherwise installed in non accordance with manufacturer's directions.

As a record of purchase, please complete the following details and file this information with your purchase invoice.

Serial Number \_\_\_\_\_

Purchased From \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Product of Gerard industries Pty Ltd <b>ACN007873529</b>	Registered offices in all States: New South Wales (02) 794 9200 Victoria (03) 9207 3200 Queensland (07) 3244 7444 South Australia (08) 269 0555 Western Australia (09) 442 4444 Northern Territory (08) 8947 0278 Tasmania (003) 31 6951
Head Office 12 Park Terrace, Bowden, South Australia 5007 Telephone (08) 269 0511 Facsimile (08) 340 1724	