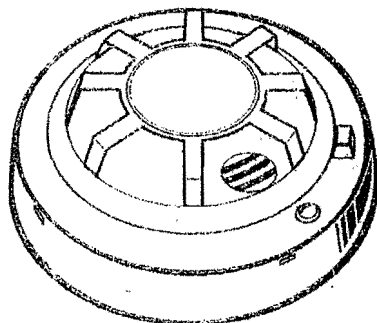


Heat Alarm Operation Instructions



220 ~ 240V AC 50 ~ 60HZ OPERATED INTERCONNECTABLE HEAT ALARM (FIXED TEMPERATURE TYPE)



MODEL: SS-1263
(With 9V Battery Back-up)



MAIN FEATURES

- TEST BUTTON
- LOW BATTERY WARNING
- BATTERY BACK UP
- ALARM / POWER INDICATOR
- INTERCONNECTABLE (UP TO 40 HEAT AND/OR SMOKE ALARMS)
- SUPPLIED WITH FIXING KIT
- ANTI-TAMPER LOCK
- LOUD 85dB ALARM SIGNAL

This instruction leaflet contains important information on the correct installation and operation of your heat alarm. Read this leaflet fully before attempting installation and retain for future reference.

SPECIFICATION

Power Source	: 220-240Vac~ 50-60Hz with 9V battery back-up (battery included)
Battery Back-up	: 9Vdc Alkaline or Carbon Zirc battery - GOLD PEAK GP1604P, GOLDEN POWER 1604D, EVEREADY PP3S, DURACELL MN16049V
Battery Back-up Life	: In the event of a break in the mains supply the battery will give detector operation for 1 year minimum
Operation Current	: <20mA operation (In Alarm)
Temperature Rating	: 60°C Fixed temperature only
Maximum Ambient	: 40°C
Recommended Coverage	: 200m²
Recommended Spacing	: 13.5m
Maximum Distance from wall	: 7.7m
Alarm Sound Level	: 85 Decibels at 3 metres (10 ft)

LOCATING THE ALARMS

Heat Alarms are intended to be supplementary to Smoke Alarms and should only be placed in areas where smoke alarms cannot be used.

This heat alarm is a multiple station heat alarm and can be connected to other alarms of the same make and type. This interconnect feature allows up to 40 Heat Alarms and / or Smoke Alarms to be connected together over 150 meters, using the single white wire, and thus allowing all alarms to sound when any one is activated. This Heat Alarm cannot be connected to any other device such as a fire alarm panel.

This Heat alarm gives a fire warning when the temperature at the unit reaches 60°C. It is 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.

All the Heat Alarms and Smoke Alarms should be interconnected to ensure the early warning will be heard, particularly by somebody sleeping. A properly designed early warning fire system ensures the alarm is given before the escape routes become blocked with smoke. Therefore there must be Smoke Alarms along the escape routes as Heat Alarms would not give sufficient warning. However, a fire in a closed room (e.g. kitchen) adjoining the escape route, can eventually cause the corridor to become smoke-logged due to smoke-leaking out from around the door before adequate warning can be given by detectors in the corridor. A heat Alarm in the closed room may give early warning of fire in that room.

If your dwelling is on a single storey, for minimum protection you should fit an Smoke Alarm in a corridor or

hallway between the sleeping and living areas. Place it as near to the living areas as possible and ensure the audible alarm can be heard when the bedrooms are occupied. See Figure 1 for examples.

If your dwelling is multi-storey, for minimum protection one Smoke Alarm should be fitted at the bottom of the staircase with further alarms fitted on each upstairs landing. This includes basements but excludes crawl spaces and unfinished attics. See Figure 2 for examples.

NOTE: For maximum protection Smoke Alarms should be fitted in every room (except kitchen, bathroom and garage). Heat Alarms located in kitchens, garages, boiler rooms etc. within 5.3m (17ft) of potential fire sources.

DO NOT FIT AN HEAT ALARM IN THE BATHROOM, SHOWER ROOMS or other room where the unit may be triggered by steam or condensation.

FIGURE 1 - SINGLE STOREY DWELLING

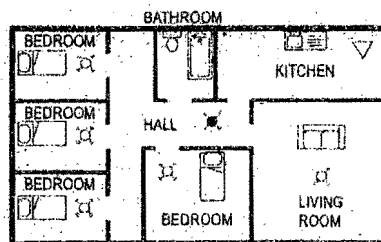
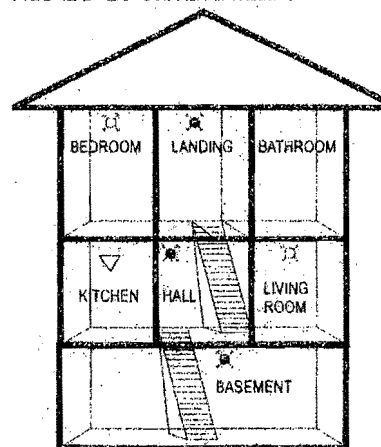


FIGURE 2 - 2/3 STOREY DWELLING



KEY

- ★ MAXIMUM PROTECTION (SMOKE)
- ▽ MAXIMUM PROTECTION (HEAT)
- MINIMUM PROTECTION (SMOKE)

POSITIONING THE ALARMS

Ceiling Mounting

As hot smoke rises and spread out, it is advisable to mount the alarm in a central position. Avoid areas where there is no air circulation. E.g. Corners of rooms and keep away from items which may prevent the free flow of air. Place the unit at least 300mm from and light fitting or decorative object which might obstruct smoke / heat entering the alarm. Keep at least 300mm away from walls. See Figure 3i.

Wall Mounting

Do not mount tight into the corners. Put the top edge of your smoke alarm between 150 and 300mm below the ceiling. Keep at least 300mm from room corners. See Figure 3i. (Wall mounting is not recommended for Heat Alarms)

On a Sloping Ceiling

In areas with sloping or peaked ceilings install your Smoke Alarm 900mm from the highest point measured horizontally because "dead air" at the apex may prevent smoke from reaching the unit. See Figure 3ii.

Areas to be avoided include the following :-

- Situations where the temperature may fall below 4°C or rise above 40°C
- Humid areas such as bathrooms, kitchens, shower room where the relative humidity may exceed 90%
- Near a decorative object, door, light fitting, window molding etc., that may prevent smoke or heat from entering the alarm.
- Adjacent to or directly above hot components such as radiators or wall vents that can effect the direction of air currents.
- In very dusty or dirty environments such as workshops.
- Locate unit at least 1.5m and route wiring at least 1m away for fluorescent light fittings as electrical "noise" and/or flickering may affect the unit. Do not wire into the same circuit as fluorescent lights or dimmers.
- Do not locate in insect infested areas. Insects and contamination on the Heat Alarm sensor can increase response time.

INSTALLING THE HEAT ALARM

WARNING - This Heat Alarm is mains powered and requires wiring by a qualified electrician in accordance with the current IEE Regulations for Electrical Installations. Before installing ensure the electrical supply is isolated.

This Heat Alarm can be mounted to any standard junction box with a minimum depth of 25mm. A three wire AC power connector (included interconnect) is supplied with each alarm.

- Check electrical supply is isolated.
- Having established the mounting location install a junction box suitable for locating the termination point. Ensure there is no other electrical wiring or pipe work in the area adjacent to the mounting surface.

- Connect power connector to incoming supply. If multiple smoke alarms / heat alarms are not to be interconnected then isolate the white wire in an approved manner. See Figure 4i

- If the Heat Alarms are to be interconnected, link out all the white wires. See Figure 4ii

- If the Heat Alarm is to be locked into position the two tamperproof tabs need to be removed from the base plate. Retain until final assembly of alarm. Figure 5

- Feed connector plug through junction box then through the hole in mounting plate.

- Fix mounting plate in position.

- Feed connector plug through the hole in paper gasket supplied. This paper gasket can then be hooked over the two plastic tabs on the mounting plate to hold it in place. **THIS GASKET MUST BE FITTED TO PREVENT DOWNWARD AIR CURRENTS FROM ENTERING THEREAR OF THE ALARM, THUS PREVENTING HEAT FROM ENTERING THE ALARM IN THE NORMAL WAY.**

- Insert a 9V battery firmly into battery compartment on the rear of the alarm. NOTE POLARITY OF CONNECTIONS. Ensure the metal tab is fully depressed when the battery has been fitted. NOTE -- For the safety of the end user the smoke alarm cannot be fitted without its battery.

- Before assembly to base plate test the correct operation of the Heat Alarm (operating from the battery only) by depressing the test button on the front of the alarm. The unit should emit a loud pulsating alarm.

- Connect the power connector into the socket on the rear of the Heat Alarm. NOTE - This is a polarized connector and can only be plugged in one way.

Assemble detector onto the mounting plate by aligning the two projections on the mounting plate with the two keyhole slots in the detector. Lock in position by giving a clockwise quarter turn.

Insert the two tamperproof tabs in the positions provided between the base plate and alarm unit. Once fitted the alarm can only be removed from the base plate by first removing these tabs by gently prying out with a screw driver. See Figure 5

Restore the AC supply

Test the correct operation of the Heat Alarm by depressing the test button on the front of the detector. The unit should emit a loud pulsating alarm.

Should use 2.1mm wire for connection.

No connection should be made to the mains supply earth terminal.

OPERATION YOUR HEAT ALARM

Once the smoke alarm has been installed a small GREEN indicator light (LED) should be visible through the alarm grill indicating that AC supply is healthy. A RED indicator light (LED) should also flash approximately once a minute to indicate the battery is healthy and the unit is operating properly.

When the Heat Alarm senses temperature above 60°C (plus or minus a few degrees), the unit will emit a loud (85dB) pulsating alarm until the temperature drops below 60°C. During the alarm condition, the RED indicator light (LED) will flash quickly

TESTING YOUR HEAT ALARM

It is recommended that you test your Heat Alarm once a week to ensure the detector is working correctly. Push and hold the test button for approximately 3 seconds. A loud pulsating alarm should sound and a RED flashing indicator light (LED) can be seen to indicate the correct function.

NOTE - for multiple interconnected Smoke / Heat Alarms, only the RED indicator light (LED) of the originating unit will flash rapidly. All other units in the interconnect system will sound an alarm but their RED indicator light (LED) will NOT flash. Test each alarm checking that the alarm is triggered on all other alarms installed.

MAINTAINING YOUR HEAT ALARM

If the Heat Alarm emits a short beep once a minute the battery is at the end of its life and should be replaced immediately. This low voltage warning will be given for at least 7 days. A fresh battery should last for approximately one year.

If the red indicator light (LED) does not flash every minute then replace the battery.

WARNING : THE USE OF BATTERIES OTHER THAN THOSE RECOMMENDED ON THE BACK OF THE HEAT ALARM MAY BE DETRIMENTAL TO ITS OPERATION

Clean your alarm at least once every six months to prevent dust build up. This can be done using a vacuum cleaner with the brush attachment. Clean gently around the front gridded section and sides.

The apparatus shall not be exposed to dripping or splashing.

IMPORTANT SAFEGUARDS

Installation of your Heat Alarm is only one step in your safety plan. Other important steps should be taken to further improve your safety:-

- Install the Heat Alarm properly, following this instruction leaflet
- Test your Heat Alarm weekly
- Replace the battery immediately once depleted
- Do not smoke in bed
- Keep matches & lighters away from children
- Store flammable materials in a proper manner and never use them near naked flames or sparks

- Maintain emergency equipment such as Fire Extinguishers, escape ladders etc and ensure all occupants know how to use them correctly.
- Plan an escape route/s from your building in advance and ensure all occupants are aware of them. Re-enforce this awareness periodically through-out the year.
- Make sure escape routes remain free of any obstructions.

THIS PRODUCT IS A SEALED UNIT AND CANNOT BE REPAIRED - IF THE UNIT IS TAMPERED WITH IT WILL INVALIDATE THE GUARANTEE. IF THE UNIT IS FAULTY PLEASE RETURN IT TO YOUR ORIGINAL SUPPLIER WITH YOUR PROOF OF PURCHASE.

YOUR HEAT ALARM GUARANTEE

These Heat Alarm are guaranteed to be free from defects in materials and workmanship under normal use and service for a period of five years from date of purchase. The company will not be obligated to repair or replace parts which are found to be in need of repair or replace parts because of misuse, damage or alterations occur after the date of purchase. Send the Heat Alarm with proof of purchase, postage and return postage prepaid, to local distributor. The liability of the company arising from the sale of this Heat Alarm shall not in any case exceed the cost of replacement of Heat Alarm and in no case shall the company be liable for consequential loss or damages resulting from the failure of the Heat Alarm.

GARVAN ENTERPRISES LTD. SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE, OR ANY SPECIAL INCIDENTAL, CONTINGENT OR CONSEQUENTIAL DAMAGE OF ANY KIND RESULTING FROM A FIRE. THE EXCLUSIVE REMEDY FOR BREACH OF THE LIMITED WARRANTY CONTAINED HEREIN IS THE REPAIR OR REPLACEMENT OF THE DETECTIVE PRODUCT AT GARVAN ENTERPRISES LTD. OPTION. IN NO CASE SHALL GARVAN ENTERPRISES LTD.'S LIABILITY UNDER ANY OTHER REMEDY PRESCRIBED BY LAW EXCEED THE PURCHASE PRICE. YOUR HEAT ALARM IS NOT A SUBSTITUTE FOR PROPERTY, DISABILITY, LIFE OR OTHER INSURANCE OF ANY KIND. APPROPRIATE COVERAGE IS YOUR RESPONSIBILITY. CONSULT YOUR INSURANCE AGENT.

Manufacturer: Garvan Enterprises Ltd.
Rm 16-17, 21/F., Wing Hing Ind. Bldg.,
83-93 Chal Wan Kok Street, Tsuen Wan,
Hong Kong.

Figure 3i - Positioning the smoke / heat detector Figure 3ii

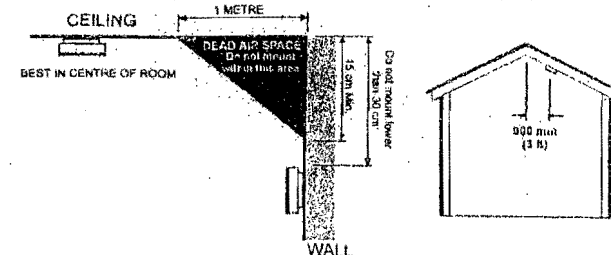


Figure 4 - Wiring & Interconnect facility

Interconnection facilities for up to 40 alarms, using only three wires, including AC power. When one alarm sounds, all properly interconnected smoke alarms follow.

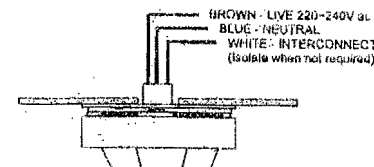


Figure 4.i - Wiring for single smoke detector

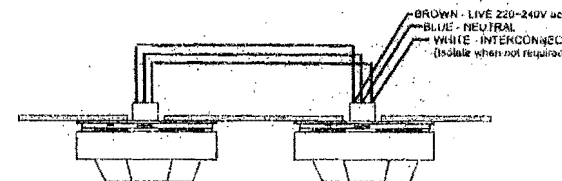


Figure 4.ii - Wiring for multiple smoke detectors (40 max)

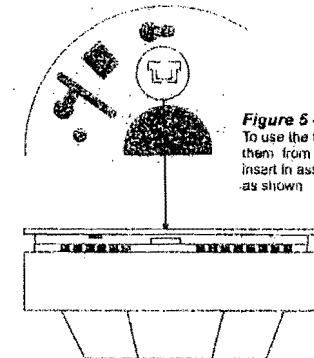


Figure 5 - Fitting tamperproof tabs
To use the two locking tabs remove them from the mounting plate and insert in assembled housing as shown

Waste electrical products should not be disposed of with normal household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. New regulation will encourage the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).

