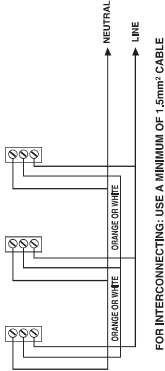


INTERCONNECTING HEAT ALARMS

Use 1.5mm2 minimum solid or stranded cable with a rating of 230V. When interconnecting heat alarms, CO alarms or smoke alarms, the maximum cable length between anytwo should be 45m for 1.5mm2 cable (20 ohm loop resistance.)
DO NOT connect to any other type or model of heat alarm, CO alarms or smoke alarm. Connect all interconnected heat and smoke alarms to a single final circuit. Wiring must conform to I.E.E. Regulations for Electrical Installations (BS 7671).



RED AND GREEN LED INDICATORS

NOTE: Colors shown correspond to electrical codes in the United Kingdom. Colors may vary in other countries.

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 EVERY 5 MINUTES AND 20 SECONDS – Mains power is present indicating normal operation.
BLINKS ONCE EVERY 10 SECONDS – False Alarm Control activated.
OFF – DC power is not present.
BLINKS ONCE A SECOND and unit is sounding alarm – senses 57°C temperature or greater.
OFF and unit is sounding alarm – Another interconnected smoke/heat alarm in the network has sensed smoke or 57°C and is signaling this alarm.
3 FLASHES AT 40 SECOND INTERVAL - Indicates which alarm has previously detected an alarm condition.

HUSH CONTROL

WARNING: BEFORE USING THE ALARM'S HUSH FEATURE, FULLY IDENTIFY THE SOURCE OF THE ALARM. IF THE ALARM IS NOT IDENTIFIED, THE HUSH FEATURE WILL BE USED TO ACTIVATE CONTROL PULSE AND RELEASE THE TEST/FAUSE ALARM CONTROL BUTTON IN THE CENTER OF THE ALARM. THE ALARM WILL SILENCE IMMEDIATELY AND THE RED (LIGHT LED) WILL BUNK APPROXIMATELY EVERY 10 SECONDS FOR THE NEXT 10 MINUTES. THIS FEATURE IS TO BE USED ONLY WHEN A SAFE CONDITION IS KNOWN TO EXIST.

The Hush feature will silence the alarm for approximately 9 minutes. A rapid rise in temperature will override the False Alarm Control and cause the unitto sound an alarm.

After 9 minutes the heat alarm will revert to normal operation. If the unit still detects a dangerous situation the alarm will sound again.

If interconnected alarms are installed, the unit that detects the high temperature will sound its alarm and the other unit will be silenced by the Hush button of the other unit. In this case, all of the alarms will be silenced for the Hush button of the dangerous situation is detected or until the TEST/Hush button of the initiating alarm is pressed.

If the alarm does not go into False Alarm Control and continues to sound its alarm, the heat in the area is too high and a dangerous situation may exist—take emergency action.

TESTING THE HEAT ALARM

WARNING: TEST EACH HEAT ALARM AND SMOKE ALARM TO BE SURE THAT EACH IS INSTALLED CORRECTLY AND IS OPERATING PROPERLY. 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/HUSH button. If the green LED above the test button is ON, the heat alarm is receiving AC power.

- 2. Firmly depress and hold the TEST/Hush button for at least five (5) seconds. The heat alarm will sound 3 long beeps, pause, 3 longer beeps, repeating for up to 10 seconds after the TEST/Hush button is released. NOTE: If heat alarms are interconnected, all heat and smoke alarms should sound an alarm within three (3) seconds after any test button is pushed and the tested heat alarm circuit at the main distribution board and turn the power to the heat alarm circuit at the main distribution board and check the wiring. Retest the heat alarm.

WARNING: IF THE HEAT ALARM SOUNDS, AND THE HEAT ALARM IS NOT BEING TESTED, THE HEAT ALARM IS SENSING A TEMPERATURE OF 57°C OR ABOVE. THE ALARM SOUND REQUIRES YOUR IMMEDIATE ATTENTION AND ACTION. EVACUATE THE DWELLING IMMEDIATELY!

MAINTENANCE AND CLEANING

In addition to weekly testing, this heat alarm must be cleaned periodically to remove dust, dirt and debris.

⚠ DANGER: ELECTRIC SHOCK HAZARD. TURN OFF THE AC 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 CLEANING THE HEAT ALARM.

⚠ WARNING: HEAT ALARMS ARE FIRE-SENSING DEVICES AND SHOULD BE CARED FOR PERIODICALLY.

CLEANING

Clean the heat alarm at least once annually to remove dust, dirt and debris. Always turn off the AC power to the heat alarm before cleaning it. Using the soft brush or wand attachment to a vacuum cleaner, vacuum all sides and the cover of the heat alarm. Be sure that all vents are free from debris. If necessary, turn off the AC power and use a cloth dampened with warm water to clean the heat alarm cover.

IMPORTANT: Do not attempt to remove the cover or clean inside the heat alarm. THIS WILL INVALIDATE YOUR GUARANTEE. Failure to properly clean and maintain this heat alarm may result in impaired operation and possible failure and will invalidate the guarantee.

⚠ WARNING: BATTERIES NOT REPLACEABLE IN THE KF30LL OR KF30R. MODEL KF30R HAS PERMANENTLY MOUNTED RECHARGEABLE LITHIUM BATTERIES THAT ARE DESIGNED TO LAST THE USEFUL LIFE OF THE ALARM.

BATTERY REPLACEMENT—KF30 ONLY

Always turn off the AC power 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 AC power. The low battery signal can be lushed for 8 hours by pressing and releasing the test button.

NOTE: constant exposure to extreme temperatures or humidity can reduce battery life. Use only the following batteries as replacements in this heat alarm: Energizer 327; Duracell MN1604 or MX 1604; FDK CP-V3UL; Ultralife U9V1-LP.

⚠ CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. USE ONLY THE BATTERIES GUIDE. DO NOT USE ANY OTHER TYPE OF BATTERY, EXCEPT AS SPECIFIED IN THIS USER GUIDE. DO NOT USE RECHARGEABLE BATTERIES.

⚠ WARNING: DO WHOLESED BIN SYMBOL INDICATES THE BATTERIES LISTED IN THIS USER GUIDE SHOULD BE DISPOSED OF SEPARATELY FROM HOUSEHOLD WASTE.

- 1. Turn off the AC power supply to the heat alarm at the main distribution board.
- 2. Insert a small screwdriver into the slot in the mounting plate and turn the heat alarm counter-clockwise to detach the alarm.
- 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. From the back of the heat alarm, lift the tab to open the battery compartment door.
- 6. Remove the battery from the compartment. Disconnect the drained battery from the battery compartment and discard.
- 7. Insert a fresh 9-volt battery into battery pocket. The battery will fit only one way. Heat alarm may sound a short beep when battery is installed. This is normal and means the battery is installed correctly.
- 8. Close the battery compartment door. Push down until it snaps into place.
- 9. Using the TEST button, test the heat alarm to verify 9V DC battery back-up.
- 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 TEST button. See TESTING THE HEAT ALARM.

REPAIR

⚠ CAUTION: DO NOT ATTEMPT TO REPAIR THE HEAT ALARM. DOING SO WILL INVALIDATE YOUR GUARANTEE. If the heat alarm is not operating properly, see TROUBLESHOOTING. If necessary, and if the heat alarm is still under warrant, pack it in a well-padded carton and send it, with Proof of Purchase postage prepaid, to the address given at the end of this user guide.

If the heat alarm is no longer under guarantee, have a qualified electrician replace the heat alarm immediately with a comparable Firex brand heat alarm.

FIRE SAFETY RULES AND PREVENTING HAZARDOUS SITUATIONS

Sleeping, testing, and taking care of heat and smoke alarms is just one step in helping to protect your family and home from fires. You must also reduce the chance that fires will start in your home and increase your chances of escaping if a fire does start. At a minimum, your home fire safety program should include the following guidelines:

- Use smoking materials properly—never smoke in bed or when sleepy or under the influence of alcohol or other drugs.
- Keep matches and other sources of ignition away from children.
- Store flammable materials in proper containers and never store or use them near open flames or sparks.
- In addition to weekly testing, this heat alarm must be cleaned periodically to remove dust, dirt and debris.
- Keep fireplaces, chimneys, and barbecue grills clean, and make sure they are properly staid away from combustible materials.
- Keep portable heaters and open flames such as candles away from combustible materials.
- Do not allow rubbish to accumulate.
- Have the electrical wiring in your house checked by a qualified electrician at least every 10 years (or more often as it ages).
- Never leave cooking unattended.

FIRE PROCEDURE

If you hear the heat or smoke alarm sounding, and you have not pushed the test button, it is warning you of a dangerous situation. You will need to respond immediately to prepare for such occurrences, develop family escape plans, discuss them with all household members, and practice them regularly. For your safety, as a minimum, you should do the following to have more effective fire safety.

- Draw a floor plan of your home and find all ways to escape if there is a fire. On the ground floor, consider whether windows can be used for escape. On upper floors, consider whether external rescue will be possible if escape routes are blocked by fire or smoke.
- Expose everyone to the sounds mean. Show them how to check to see if doors are hot before opening them, how to stay close to the floor and crawl along the floor to stay below dangerous smoke, fumes and gases, and how to use the alternative exit if a door is hot. **Insist that everyone not open the door if the door is hot.**
- Decide on a meeting place a safe distance from your house and make sure all members of your household understand they should go and wait for you there if there is a fire. Explain to children that they must be ready to leave the house by themselves if necessary.
- Hold fire drills every six (6) months to make sure everyone, even small children, know what to do to escape safely.
- Know where to go to call the Fire Brigade from outside your house.
- Provide emergency equipment, such as fire extinguishers, and teach your family how and when to use this equipment.

WHAT TO DO IN CASE OF A FIRE

After you have prepared family escape plans and practiced them with your family, you have increased their chances of escaping safely. Review the following rules with your family when you have fire drills, so everyone will remember them in a real fire.

- 1. Don't panic, stay calm. Your safe escape may depend on thinking clearly and remembering what you have practiced.
- 2. Get out of the house, following your planned escape route, as quickly as possible. Do not stop to collect anything or to get dressed.
- 3. Open doors carefully only after feeling to see if they are hot. Do not open a door if it is hot; use an alternative escape route. If your escape route is blocked, go to a window and shout for help. If necessary, stuff clothing or other materials in the gaps round the room door to stop smoke from entering until help arrives.
- 4. Stay close to the floor; smoke and hot gases rise toward the ceiling.
- 5. Keep doors and windows closed unless you open them to escape.
- 6. Meet at your pre-arranged meeting place after leaving the house.
- 7. Call the Fire Brigade as soon as possible from outside your house. Give your full address, including the name of the town or village.
- 8. Always call the Fire Brigade as soon as possible, even if a fire seems small.
- 9. **Never re-enter a burning or smoke-filled building.**

These guidelines will assist you in the event of a fire. However, to reduce the chance that fires will start, practice fire safety rules and prevent hazardous situations. Contact your local Fire Brigade for more information.

TROUBLESHOOTING

PROBLEM	SOLUTION
Heat alarm does not sound when tested. NOTE: Push and hold test button for at least five (5) seconds while testing!	1. Check that AC power is turned on. 2. Turn off power. Remove heat alarm from mounting plate and: a. Check that connector plug is securely attached. b. Check that battery is installed correctly (KF30, KF30LL only). 3. Clean smoke alarm.
Heat alarm beeps about once every 40 seconds	KF30R: Verify that unit has been under mains operation for a minimum of 2 full days. If the beeping persists after required charging period, return the unit for service. KF30LL: This alarm has long life lithium battery to last the full life of the alarm. If it is a unit fault and it needs replacing, KF30: Turn off AC power and replace battery. See "Battery Replacement" in the MAINTENANCE CLEANING section.
Heat alarm sounds unwanted alarms.	1. Hire an electrician to move Heat Alarm to new location. See the HEAT ALARM SITING Section of this user guide.
Interconnected heat alarms do not sound when a smoke alarm system is tested.	1. Press and hold button for at least five seconds after the first unit sounds. See the MAINTENANCE CLEANING section of this user guide. 2. Turn off AC power or circuit breaker and check the interconnecting wiring. See INTERCONNECTING HEAT ALARMS section of this user guide.
3 chirps every 40 seconds	1. Before 10 years of operation: unit is in fault mode. Contact customer service. 2. After 10 years of operation: end of life warning: Alarm must be replaced (REPLACE IMMEDIATELY!)

NOTE: Contact customer support at 03337 722227 if your alarm does not seem to operate correctly.

GUARANTEE

The manufacturer guarantees this product to be free from defects in material and workmanship under normal use and service ("Defects") for a period of six (6) years from the date of purchase the "Guarantee Period". Should any Defects be discovered within the Guarantee Period, the Company will, at its option, repair or replace the defective product provided that: (a) it is returned during the Guarantee Period with postage prepaid and with proof of purchase date to the address shown below and (b) the Company verifies that the claim is proper. This Guarantee does not cover damage resulting from accident, improper installation, maintenance or repair, misuse, abuse or product modification. This Guarantee does not confer any rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This Guarantee is offered as an extra benefit and does not affect your statutory rights as a consumer.

Return units in a padded carton, postage prepaid, to:

FIREX PRODUCTS
KIDDE SAFETY EUROPE LIMITED
Ash House, Lilleshall Road, Ashford, TW15 1TZ, UK
Tel.: 0800 917 0722
www.smoke-alarms.co.uk

Manufactured By:
Waller Kidde Portable Equipment Inc.
1016 Corporate Park Drive, Mebane, NC 27302, USA
Made in China

EU Authorised Representative:
Carrier Fire & Security S.V.
Kalmstraat 17, 6003 DH Venlo, NL