HK-21NZ HEAT ALARM INSTALLATION INSTRUCTIONS

Thank you for buying a Sentech heat alarm. Please read all instructions before installing the heat alarm, so it will protect your home in the best possible way.

- If you are installing the heat alarm for some other person, leave these instructions or a copy of them with him/her.
- If there is any question as to the cause of the alarm, always assume that this is an actual fire and follow your fire emergency plans.

1: OPERATION AND TESTING

Normal mode: The red light flashes once every 55 seconds.

Alarm mode: When the alarm detects high temperature the red light flashes twice every second and the buzzer beeps continually. The heat alarm will automatically return to normal mode when the temperature drops back below the trigger point.

Test mode: Press the test button for more than two(2) seconds and the heat alarm will go into test mode. Release the button for the alarm to stop and the heat alarm will revert to normal mode.

Silence mode: During alarm mode, press the test button for 1 second to silence the beep.

When the test button is released, the red light flashes once every 14 seconds, indicating the device has begun an 11 - minute silence mode - the silence mode can't be cancelled by pressing the button.

The heat alarm will go into alarm mode again when the temperature is high than 75°C.

Low battery: When the battery is used up, the heat alarm will beep twice at intervals of 28 seconds - please replace the heat alarm with new Sentech heat alarm.

You can silence the beep by pressing the test button - whilst the button is pressed, the red LED will stay on and the beep sounds frequently (5 beeps per second).

When you release the test button, the 'beep' prompt is silenced for 8 hours and the red light flashes once every 8 minutes - the test button is invalid during this low battery silence mode.

At the end of the 8 hours, the audible indication will resume if the low battery condition still exists.

The alarm will resume if the heat alarm detect the battery voltage has resumed to normal battery power.

2. POSITIONING THE HEAT ALARM

For best protection the heat alarm should always be installed as part of a complete fire protection system that also includes smoke alarms.

Heat alarms are best suited to areas where dust, fumes and moisture can cause nuisance in smoke alarms, such as:

- Boiler rooms
- Kitchens
- Lofts
- Laundry rooms
- Garages
- Bathrooms

Heat alarms should not be installed in escape routes instead of smoke alarms - they should only be used in the above applications. (Sentech smoke alarms should be installed in Living rooms, hallways, stairwells and in every other room in the house.)

When heat alarms are installed in a room, they should be placed on the ceiling, ideally in the centre of the room. They should be at a distance no more than 5.3m from the farthest wall, no more than 5.3m from a door to any room in which a fire might start, and no more than 5.3m from the next heat alarm.

NOTE: HEAT ALARMS SHOULD NOT BE WALL MOUNTED.

Install sufficient heat alarms to compensate for closed doors and obstacles which may interfere with the path of heat to an alarm and may prevent occupants from hearing an alarm.

3. MAINTENANCE

Battery life: The heat alarm contains a 3V lithium battery (CR123A). The lifetime is 10 years.

When the battery is used up, the heat alarm will beep twice at intervals of 28 seconds - please replace the heat alarm with new Sentech heat alarm.

WARNING: Lithium batteries can explode or cause burning if installed incorrectly. Do not attempt to replace the battery.

Clean the heat alarm at least once a year. Separate the heat alarm carefully from the installation plate by turning it counter-clockwise.

Clean the dust around the thermistor sensor head carefully. Test the heat alarm after cleaning it.

Do not open or paint or modify the heat alarm!

Waste handing: The heat alarm should be disposed in accordance with normal waste handing for electronics.

4. TECHNICAL INFORMATION

Operating principle: NTC thermistor	Warranty: 5 years
Alarm current: < 150mA	Voltage: 3V (built-in lithium battery)
Quiescent current: < 5uA	Operation temperature: 0°C~ 50°C
Static response temperature: Class A1, 54°C ~ 65°C	Sound volume: ≥ 85 dB at a distance of 3 meters
Dimensions: 42.5 x Ø50.8mm	Weight: 47 g
Holding temperature of 3M attachment tape -35°C~ 93°C	Maximum humidity: 93% RH non-condensing
Conform to the standard: EN60065:2014	

5. MANUFACTURER'S GUARANTEE

The manufacturer provides a 5 year guarantee, starting from the purchase date of the product.

If the heat alarm becomes defective during the guarantee period, the heat alarm will be replaced with a new one providing the defective one is returned to the distributor. The guarantee covers manufacturing or material defects in the product, if the heat alarm has been used according to the user instructions and the guarantee period has not expired. The guarantee period for a heat alarm that has been replaced with a new one is the same as that of the original heat alarm.

The guarantee is not valid if:

1) the product is used, maintained, or tested contrary to the user instructions,
2) the defect has been caused by a negligent act by other than the manufacturer,
3) if the product has been modified or treated with force,
4) if it the guarantee receipt is missing.

The guarantee does not cover costs due to installation or battery replacement. The manufacturer's responsibility does not in any case exceed the price of a new heat alarm. The manufacturer is not responsible for any damage or loss that has been caused by a non-working heat alarm or negligence by the manufacturer.

This guarantee does not affect rights enacted by law.

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6. PRODUCT COMPONENTS DRAWING

1. Red indicator LED
2. Test button

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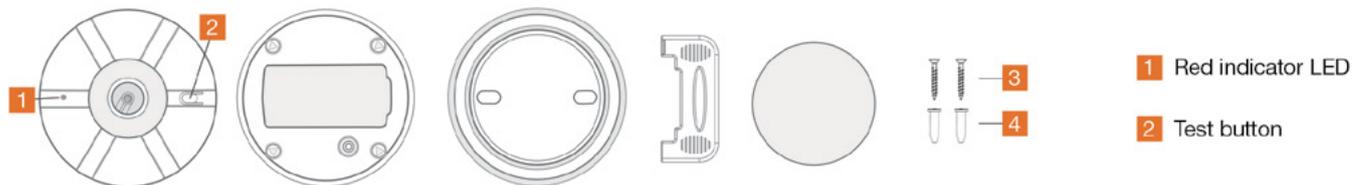
7. INSTALLATIONS

A Sentech heat alarm can be installed in two different ways:

(1) QUICK INSTALLATION WITH 3M DOUBLE-SIDE TAPE

Make sure that the installation surface is even and cleaned thoroughly. If the ceiling has an uneven surface or rough in texture, install the heat alarm with the screws supplied.

A) Activate the heat alarm by pushing the mounting plate and turning it clockwise at the same time. The heat alarm is activated and ready to be installed when you feel clicks. You may also hear an alarm sound if the test button gets pressed during activation.

B) Remove the white cover on the double-sided tape, then adhere to the mounting plate.
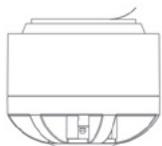
C) Remove the red cover on the double-sided tape.
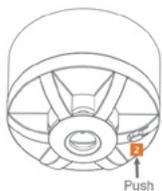
D) Attach the heat alarm by pressing it firmly against the ceiling for approximately 60 seconds. You may also hear an alarm sound if the test button gets pressed during installation.

E) Make sure that the heat alarm is activated by pressing the test button for 3 seconds. When the heat alarm gives an alarm sound, the test is complete and your heat alarm is ready for use.

The installation is now complete. Test your heat alarm weekly!

Note: Installation with 3M double-sided tape is not approved according to Great Britain's LPCB standard.

(2) INSTALLATION WITH SCREWS

A) Remove the mounting plate of the heat alarm by turning it counter-clockwise and lifting it away.

B) To achieve the correct heat alarm position, mark drill holes for the screws then screw the mounting plate of the heat alarm tightly to the ceiling with the screws.

C) Press the heat alarm against the mounting plate and turn it clockwise until you feel clicks.

D) Make sure that the heat alarm is activated by pressing the test button for 3 seconds. When the heat alarm gives an alarm sound, the test is complete and your heat alarm is ready for use.

The installation is now complete. Test your heat alarm weekly!