# INSTALLATION GUIDE

## CAVIUS
### WIRELESS
ALARM FAMILY

🇬🇧 UK

# HEAT
# ALARM

Thermal Mains powered heat alarm device
Commercial reference: 3202-008
Developed by CAVIUS

This Thermal Heat Alarm is designed for areas not suitable for smoke alarms due to high risk of false alarms such as; kitchens, garages or workshops.

**PLEASE READ THE INSTALLATION GUIDE CAREFULLY BEFORE INSTALLATION AND RETAIN FOR FUTURE USE.**

SAFETY INSTRUCTIONS:

The device comes with a 3V lithium battery. Batteries are to be handled with care and battery powered devices should be kept out of reach of children. Do not try to recharge or burn the batteries.

TECHNICAL INFORMATION:

This heat alarm is powered by mains power (110-230volt AC), with a lithium back up battery (CR2).
Cavius heat alarm detects:
1) rapidly increased temperature level
2) absolute heat level of 58 degrees C.

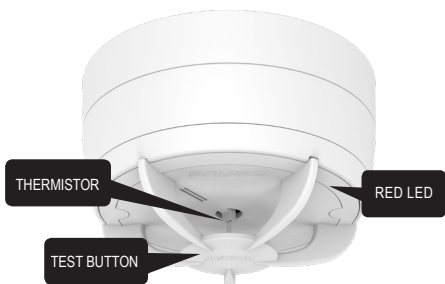The maximum number of alarms that can be interlinked within a house group are 32.

**Please note:** These must be alarms from the CAVIUS Wireless Alarm Family.

The distance between interlinked alarms depends on the house layout and they should always be tested after installation. It is not advised to get more than 10m distance between two alarms.
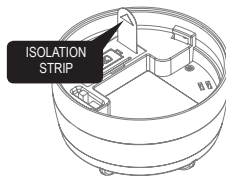
Diameter: 78mm. Height: 46mm.
Your product has a battery back-up with a 1 year life in battery mode without mains power, and up to 10 years normal life with mains.

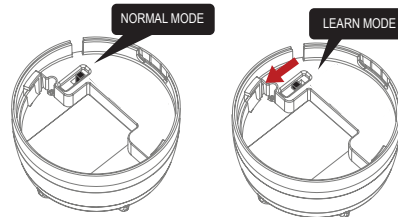Complies to standards: EN54-5 class A1/R, RoHS, REACH, RED, Kitemark BS 5446 part2.



THERMISTOR
RED LED
TEST BUTTON

**1.** HOW TO SET UP AND CONNECT ALARMS: Start by pulling out the battery isolation strip as shown.
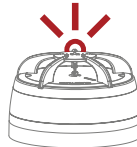
**Please note:** RF connection is done with the device powered with the battery only. You do not have to connect the power supply. The product label must not be removed as it contains important information regarding the product.



ISOLATION STRIP

**All alarms** that need to be connected in the house should be put into 'Learn Mode' by sliding the switch on the back of the alarm to the 'Learn Mode' position.
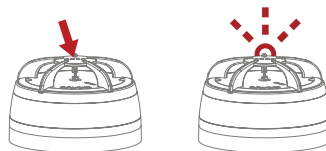


NORMAL MODE
LEARN MODE

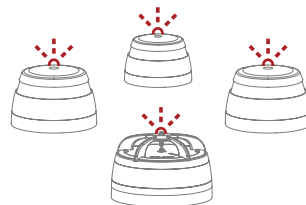The red LED will light up to indicate that 'Learn Mode' has been selected.



Please note that when the alarms are placed in 'Learn Mode' they can't be inserted into the mounting base.
Do not take out the battery during 'Learn Mode' as this will interrupt the learn process.

Press and hold the test button at one alarm only, until it beeps and the LED flashes. This alarm will become the master and will start sending out a specific house code to the other alarms.



As the other alarms receive the specific house code, they will also flash the LED light.



When the red LED light flashes on all alarms, they are connected and MUST BE SWITCHED OUT OF 'LEARN MODE' and installed.
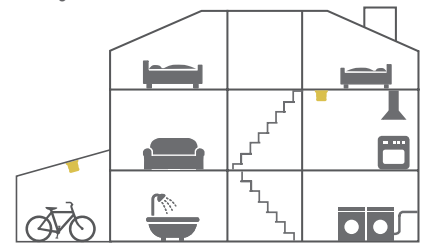
Label the original "Learn" alarm in order to easily add new CAVIUS Wireless Family alarms to the system.

**2.** THE BEST AREAS TO INSTALL THE HEAT ALARM:

• Kitchen area

• Garage or workshop

Additional alarms increase the security.

Siting of Heat alarms



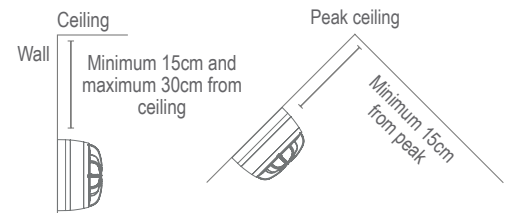■ Heat

**3.** AREAS WHERE **NOT** TO INSTALL HEAT-ALARMS:

• In rooms where the temperature goes outside -10ºC to +50ºC.
• Bedrooms
• Lounge
• Dining room
• Hallway
• Family room

**NOTE:** In areas where smoldering fires occur over flaming fires, photoelectric smoke alarms are still the best to be installed.
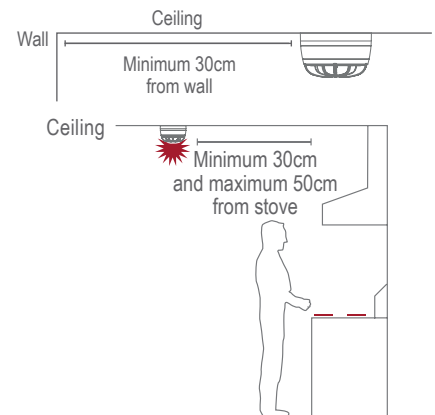
**4.** PLACEMENT:

The heat alarm is design to be installed on a ceiling or wall. Do not install to close to the oven/hob/stove (see drawing).

**For wall installation:**



Ceiling
Wall
Minimum 15cm and maximum 30cm from ceiling

Peak ceiling
Minimum 15cm from peak

**For celling installation:**



Wall
Ceiling
Minimum 30cm from wall

Ceiling
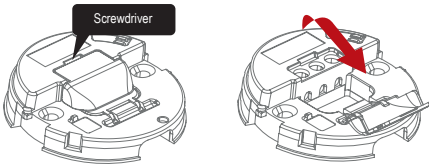Minimum 30cm and maximum 50cm from stove
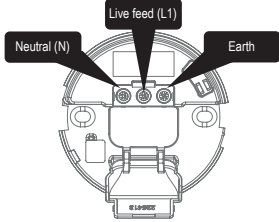
**5.** INSTALLING THE HEAT ALARM:

NOTE: THE ALARM HAS TO BE INSTALLED BY A PROFESSIONAL

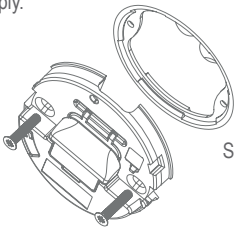MAKE SURE ELECTRICITY IS TURNED OFF BEFORE STARTING THE INSTALLATION.

To connect the feed wires to power supply, remove the snapped cover with a screwdriver or similar Tool.

Screwdriver

Connect the 3 wires to the power supply. Close the cover.

Live feed (L1)
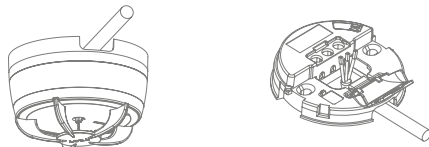
Neutral (N)          Earth

Once the power supply is installed, attach the alarm by twisting clockwise until it clicks. If the battery is either missing or inserted incorrectly, the heat alarm will not be able to click into the mounting base.
Alarm mounted on top of conduit box:
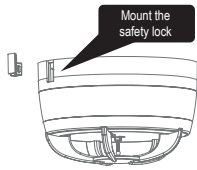Connect the 3 wires from the conduit box on to the power supply.

Screw the powersupply on to the conduit box

Single cable installation:

**6.** SAFETY LOCK:

Mount the safety lock

**7.** TEST FUNCTION:

After installation, and at least once per quarter, test all of your alarms to ensure they are operating correctly and are within range of each other.
It is recommended to check visually every week if the LED flashes correctly (every 48sec.)
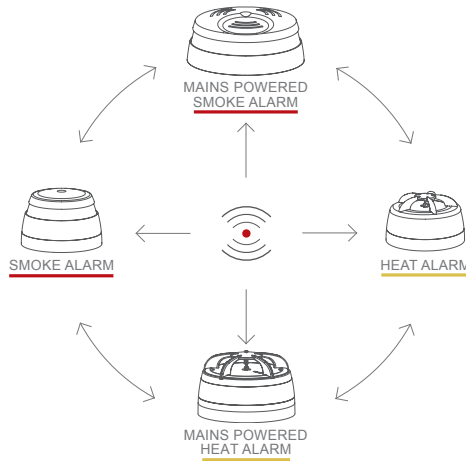
**Press the test button on any alarm for 2 sweeps of alarm signal. This will send out a test signal from the alarm; all other connected alarms should receive the signal within a short time. The alarms will emit a short beep and the LED will flash every 8 seconds for 2 minutes.**

*NOTE:* Test function also allows to send a depleted RF signal to ensure an optimal operation in normal conditions.

When the test signal is sent out, the alarms will respond in two ways:

**1.** A single beep every 8 seconds indicates that the alarms are connected and functioning.

**2.** Three short beeps every 8 seconds indicates a heat sensor fault.
If required this indication can be stopped early on each alarm by a short press of the test button.
If the problem continues, please visit www.cavius.com for any trouble shooting.

**8.** ADD EXTRA DEVICE:

MAINS POWERED
SMOKE ALARM

SMOKE ALARM          HEAT ALARM

MAINS POWERED
HEAT ALARM

All CAVIUS interconnected alarms within the
**WIRELESS**
ALARM FAMILY can be added to the system as they run on the same frequency and use the same data protocol.This means that the wireless system can consist of a combination of smoke, heat etc.

Place all alarms into 'Learn Mode' and repeat section 1.

Always test connection to all devices by repeating test function section 7 after adding devices.

**9.** OTHER INFORMATION:

Do not paint the alarm.

Disposal: For battery and product, please dispose properly at the end of life. This is electronic waste which should be recycled.
The heat alarm is not suitable for use as a fire safety device unless it is part of a planned fire safety system, i.e. when interconnected to one or more smoke alarm(s).

Complies to the Radio Equipment Directive 2014/53/EU

RF Frequency: 868 MHz.

Maximum radio-frequency power transmitted: 20 dBm

Full DoC to 2014/53/EU (RED) can be downloaded at www.cavius.com

WARNING: All alarms should be assumed as due to actual fire and the dwelling should be evacuated immediately.

WARNING: To prevent injury, this apparatus must be securely attached to the ceiling/wall in accordance with the installation instructions.

WARNING: Batteries shall not be exposed to excessive heat such as shine, fire, or the like.

⚠ WARNING: This is a mains powered unit and can be hazardous to install. We recommend that the installation, together with any associated supply and interconnecting wiring, is only to be done by a professional in accordance with BS 7671.

Input voltage: 110-240v∼, 47-65 Hz.
Quiescentcurrent: 0,6 uA. Alarm current: 60 mA.

Note the local country regulations regarding installation.

| Screw torque | 3-5 KGfCM |
|---|---|
| Recommended screw tip | PZ2, Flat 1.0x6 mm |
| Recommended wire range | 16-10 AWG 1.3-5.0 mm2 |
| Strip length | 5-6 mm |

The CE mark affixed to the product confirms compliance with all relevant European directives and harmonized requirements in the EN14604 standard and Construction Products Regulation (CPR) 305/2011 along with the Radio Equipment Directive (RED) 2014/53/EU for all wireless family products. BSI Kitemark™ certified.

UKCA  C€  bsi
KM 737251
BS 5446-2:2003
A1 3202-008

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*Carrier*

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