

CAVIUS

THE WORLD'S SMALLEST ALARMS



CAVIUS NANO THERMAL HEAT ALARM

Product Code:	3004 CAVTH10
Diameter:	40mm
Profile:	14mm (Ressessed) - 37mm (Standard)

PRODUCT DESCRIPTION

The CAVIUS Thermal Heat Alarm has been designed to warn of flaming fires in the areas not suitable to install smoke alarms: kitchens, garages, workshops or laundries.

If rapid and constant change of temperature increases and the temperature level reaches $>58^{\circ}\text{C}$, the alarm will sound.

PRODUCT DATA

SMOKE ALARM TYPE:

Thermo sensitive detector.
Detects rapidly increased heat or absolute heat level.

USAGE:

Designed for installation in private homes in areas not suitable for smoke alarms; kitchens, laundries workshops or garages. Areas with risk of dust, humid environment, cooking contaminants, or flumes.

ISOTOPE ACTIVITY:

Contains no radioactive substances.

OPERATION AC/DC:

DC.

BATTERY TYPE:

3V CR123A Lithium battery, 1600 mAh (non-replaceable)

POWER CONSUMPTION:

For 1 year in normal operation, the battery consumption is 50mAh.

BATTERY LIFE:

Minimum 10 year life in normal operating condition.
(Based on a weekly testing).

LOW BATTERY INDICATION:

A short acoustic 'beep' will sound and the LED will flash every 48 seconds when the voltage is below 2.85V. In this stage it will continue for minimum 30 days, and can drive the alarm for 4 minutes.

NORMAL OPERATION:

Red LED flashes every 48 seconds to indicate normal operation.

SOUND:

Audible indicator of minimum 85 dB @ 3 metres.

SOUND PATTERN:

Fire alarm mode is indicated by a series of three successive tones.

VISIBLE INDICATORS:

A red LED is used to indicate the following;

- Fire alarm mode is indicated by a flash every 0.5 seconds
- Normal operation is indicated by a flash every 48 seconds

PRODUCT WEIGHT (GR):

Base alarm weight (excluding screws, plugs and mounting ring): 43g.

OPERATING TEMPERATURE:

-10°C to $+38^{\circ}\text{C}$ (tested from 0 degrees to 55 degrees).

OPERATING HUMIDITY:

Up to 95% RH non-condensing.

DETECTION:

Gives alarm when temperature level rapidly increase and when temperature level $>58^{\circ}\text{C}$.

INSTALLATION POSITIONS:

Ceiling. Not recommended for wall use.

CE TESTING INSTITUTE:

ITS/CNPP.

STORAGE TEMPERATURE:

-20°C to $+60^{\circ}\text{C}$.

STORAGE HUMIDITY:

Up to 93% RH non-condensing.

FEATURES

- 10 Year 'long-life' battery (sealed)
- A penetrating sound at 85 db(A) at 3 meters
- 10 minute hush and test button
- 30 day low battery warning
- Unique 'smart-clip' ceiling mechanism
- Aesthetically pleasing
- Environmentally friendly
- Thermal-sensor detects rapidly increasing room temperatures

CERTIFICATIONS

- CE, EN60065
- Tested according to the heat standards of EN54-5
- RoHs
- Reach

QUALITY ASSURANCE

SOUND LEVEL:

100% tested in special designed sound chamber.

POWER CONSUMPTION:

100% tested.

BATTERY VOLTAGE AND INTERNAL RESISTANCE:

100% tested.

ALARM FUNCTION:

100% tested.

VISUAL APPEARANCE:

100% tested.

PACKING CONTENT:

100% tested.



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