CAVIUS

THE WORLD'S SMALLEST ALARMS

CAVIUS

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THERE'S NO FIRE WITHOUT SMOKE

OUR PRODUCTS

CAVIUS AUSTRALIA PTY LIMITED

Welcome to CAVIUS. Since 2004 CAVIUS has inspired the world of alarms, proudly protected homes, and saved lives.
The unique, Danish design, combined with a professional UK-based Research & Development team, brings you the most advanced alarms.

THE CAVIUS ADVANTAGE

Why choose CAVIUS? Because the alarms are superior to other standard designs for more than one reason:

Core Technology

The world's smallest smoke and heat alarms were designed by a Danish team, who are experienced in developing smoke alarm systems to EN54-7 certification.

Design

The CAVIUS alarms use premium components to ensure reliability in performance, stability, and the alarm will be 100% operational during their lifetime of 10 years.

Chamber Size

To maintain a high quality performance; CAVIUS invests additional costs in the manufacturing of optical components, amplifiers for the photodiode and a micro controller to carry out signal processing.

Performance

The performance of the smoke sensor includes a wide smoke entry in all orientations around the alarm. It also includes strong resistance to false alarms due to point sources of contamination, insects, and humidity.

CAVIUS smoke alarms are certified for recreational vehicles.

Software

The software in the CAVIUS smoke alarm includes a fire detection algorithm with features similar to that found in expensive analogue detection systems.

The software also includes a calibration routine, which stores a gain factor in flash memory. This is more accurate than the variable resistor set by hand on most other alarms, and much more reliable long term.

The software also includes features for self-test, hush mode after alarm, and battery test.
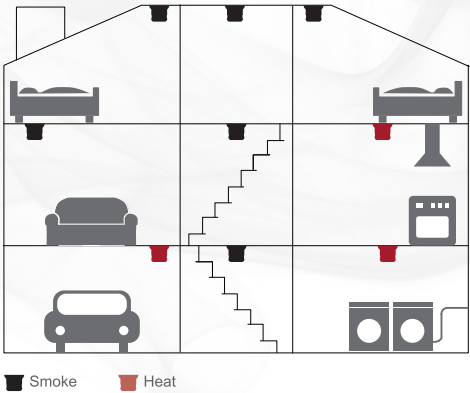
Manufacturing

During the manufacturing stage, 100% of all CAVIUS alarms are tested in a smoke tunnel to ensure the right calibration and are checked in an echoic room for sound output test. Samples from each production week are sent to an accredited lab and an external audit company will inspect and test the alarms before shipping them to the retailer.

Our factory is audited several times per year from NF, VdS, and ISO.

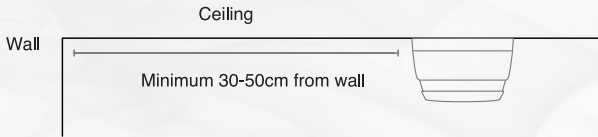# WHERE SHOULD I INSTALL THE SMOKE AND HEAT ALARMS?

PLACEMENT:

The best location for any smoke alarm is on the ceiling and in the centre of the room they are intended to protect. The alarm will operate normally if installed on a wall, however this can add minutes to the detection time, which are valuable in the event of a fire. We recommend installing the alarm at least 30cm from the corner where the ceiling and wall join and 50cm from the apex of a cathedral ceiling. Both of these areas are referred to as **'Dead Air Zones'**.

In Dead Air Zones, oxygen gathers in these areas and a smoke alarm will not activate.
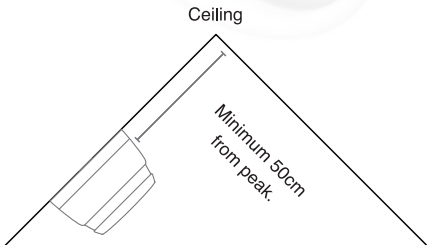
■ Smoke   ■ Heat

CEILING INSTALLATION:

The smoke alarm should be a minimum of 30-50cm from the wall.

Wall | Ceiling

Minimum 30-50cm from wall

For cathedral-style ceilings.

Ceiling

Minimum 50cm from peak.

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DANISH DESIGNED. QUEENSLAND COMPLIANT.

Interconnected smoke alarms that are safe, stylish and Queensland compliant.

I'm building or renovating my home, how does the new legislation affect me?

From 1st January 2017:

Upon completion of your new build or renovation (over 50% of the dwelling) the smoke alarms in your home must;

- Be photoelectric (and not contain an ionisation sensor) and comply with Australian Standards AS3786:2014.
- Be hardwired/mains powered with a secondary power source (i.e. 9v or lithium battery back-up).
- Interconnect with every other smoke alarm in your home.
- Installed in all bedrooms, hallways or between areas containing bedrooms. If there are no bedrooms on a storey, at least one smoke alarm must be installed in the most likely path of travel to exit the dwelling.

I'm a landlord, how does the new legislation affect me?

After 1st January 2022, before a new lease begins – your rental property must;

- Have smoke alarms installed in all bedrooms, hallways and between areas containing bedrooms. If there are no bedrooms on a storey, at least one smoke alarm must be installed in the most likely path of travel to exit the dwelling.
- The alarms must be either be a hardwired/mains powered or powered by a non-removable 10-year battery smoke alarm.
- Be photoelectric (and not contain an ionisation sensor) and comply with Australian standards AS3786:2014.
- Interconnect with all the other smoke alarms in the home.

I'm selling my home, how does the new legislation affect me?

All homes sold after 1st January 2022 must;

- Have smoke alarms installed in all bedrooms, hallways and between areas containing bedrooms. If there are no bedrooms on a storey, at least one smoke alarm must be installed in the most likely path of travel to exit the dwelling.
- The alarms must be either be a hardwired/mains powered or powered by a non-removable 10-year battery smoke alarm.
- Be photoelectric (and not contain an ionisation sensor) and comply with Australian standards AS3786:2014.
- Interconnect with all the other smoke alarms in the home.

I'm a homeowner, how does the new legislation affect me?

From 1st January 2017:

Any smoke alarm in your home that was manufactured more than 10 years ago, must be replaced with photoelectric smoke alarms that comply with Australian standards AS3786:2014. Remember the 'like for like' rule when replacing any smoke alarms in your home.

Before 1st January 2027, all smoke alarms in your home must;

- Either be a hardwired/mains powered or powered by a non-removable 10-year battery smoke alarm.
- Be photoelectric (and not contain an ionisation sensor) and comply with Australian standards AS3786:2014.
- Interconnect with all the other smoke alarms in the home.
- Installed in all bedrooms, hallways and between areas containing bedrooms. If there are no bedrooms on a storey, at least one smoke alarm must be installed in the most likely path of travel to exit the dwelling.

COMPLIANCE CHECKLIST

QUEENSLAND LEGISLATION COMPLIANT

10 YEAR BATTERY / MAINS POWERED

All smoke alarms must be either powered by mains power or non-removal 10 year battery. For any existing hardwired/mains powered alarms, these must be replaced with a hardwired/mains powered alarm. Additional alarms can be either mains powered or non-removal 10 year battery.

WIRELESS INTERCONNECTIVITY

All smoke alarms must be interconnected with each other, this can either be wired or wireless. The CAVIUS Wireless Family alarms all connect with each other wirelessly, without the need to run cable between each alarm.

CORE TECHNOLOGY

All smoke alarms must be photoelectric (cannot contain an ionisation sensor) and comply with Australian standards AS3786:2014.

INSTALLATION

Installed in all bedrooms, hallways, and between areas containing bedrooms. If there are no bedrooms on a storey, at least one smoke alarm must be installed in the most likely path of travel to exit the dwelling.

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CAVIUS WIRELESS FAMILY
MAINS POWERED PHOTOELECTRIC SMOKE ALARM

WIRELESS))
ALARM FAMILY

The Wireless Family alarms interconnect to each other using innovative Radio Frequency technology; when one alarm activates, they all sound.

Setting up and interconnecting your alarms is a simple 2-minute process.

Once connected; when one alarm starts to siren, it will send out a 360-degree signal, all other CAVIUS Wireless Family alarms in range will also start to siren. The range between alarms depends on the building materials used and should be tested in each individual case.

The 10 year backup battery life is calculated based on the mains power supply on. The battery life will be 1-2 years if only powered by battery and not connected to the mains power supply.

NB: Mains powered alarms need to be installed by a professional or registered electrician.

Product Code: 2203 CAVMP

Diameter: 97mm
Profile: 52mm

FEATURES

- Connect up to 32 alarms
- Connects to CAVIUS Smart Remote
- 10 Year long-life battery backup (replaceable)
- Easily accessible 10-minute hush & test button
- Green 'Power On' LED light as a visible indicator of mains power supply
- Ability to work as a lamp /ceiling rose
- 30-day low battery alert
- AS3786:2014 certified and Building Code Australia compliant
- 2022 Queensland Smoke Alarm Legislation compliant
- Two levels of screening to minimise insect and dust contamination
- Safety Lock/tamperproof mechanism

CERTIFICATIONS

- AS3786:2014
- NF292
- RoHs
- Reach
- ActivFire®

PRODUCT **10 YEAR** WARRANTY

10 YEAR BATTERY INCLUDED REPLACEABLE

QUEENSLAND LEGISLATION COMPLIANT

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CAVIUS WIRELESS FAMILY
10 YEAR PHOTOELECTRIC SMOKE ALARM

WIRELESS))
ALARM FAMILY

The Wireless Family alarms interconnect to each other using innovative Radio Frequency technology; when one alarm activates, they all sound.

The battery-operated CAVIUS Wireless Family alarms require no wiring. Setting up and interconnecting your alarms is a simple 2-minute process.

Once connected; when one alarm starts to siren, it will send out a 360-degree signal, all other CAVIUS Wireless Family alarms in range will also start to siren. The range between alarms depends on the building materials used and should be tested in each individual case.

Product Code: 2107 CAV10WF

Diameter: 78mm
Profile: 19mm (Recessed)
                38mm (Standard)

FEATURES

- Connect up to 32 alarms
- Connects to CAVIUS Smart Remote
- 2 x CR123A 10 Year long-life batteries (sealed)
- Two installation options; Recessed or Standard mounting base
- 85dB(A) at 3 meters
- Easily accessible 10-minute hush & test button
- 30-day low battery alert
- AS3786:2014 certified
- 2022 Queensland Smoke Alarm Legislation compliant
- Two levels of screening to minimise insect and dust contamination
- Safety Lock/tamperproof mechanism

CERTIFICATIONS

- AS3786:2014
- NF292
- RoHs
- Reach
- ActivFire®

PRODUCT **10 YEAR** WARRANTY

10 YEAR BATTERY INCLUDED NON-REPLACEABLE

QUEENSLAND LEGISLATION COMPLIANT

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CAVIUS WIRELESS FAMILY
5 YEAR THERMAL HEAT ALARM

The Wireless Family alarms interconnect to each other using innovative Radio Frequency technology; when one alarm activates, they all sound.

The 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°C, the alarm will sound.

Product Code: 3104 CAVTH5WF

Diameter: 65mm
Profile: 15mm (Recessed)
              38mm (Standard)

FEATURES

- Connect up to 32 alarms
- Connects to the CAVIUS Smart Remote
- 5 Year 'long-life' battery (replaceable)
- Two installation options; Recessed or Standard mounting base
- 85dB(A) at 3 meters
- Easily accessible 10-minute hush & test button
- 30-day low battery alert
- EN60065 certified

CERTIFICATIONS

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

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CAVIUS WIRELESS FAMILY
SMART REMOTE CONTROL

The CAVIUS Smart Remote is part of our Wireless Family range.

This unique device will provide you with the ability to test and hush your smoke and heat alarms without having to physically touch the alarms themselves.

Once either a CAVIUS Wireless Family smoke or heat alarm activates, the Smart Remote will strobe and vibrate as an additional measure to provide extra warning of any potential fire in your home.

Product Code: 9002 CAVSR

Length: 140mm

FEATURES

- Strobes and vibrates once a CAVIUS smoke or heat alarm is activated
- Ability to test and hush your Wireless Family alarms
- Built in LED torch for everyday use
- Comes with a magnetic wall bracket for convenient placement
- Can be used as the 'Master' when setting up your CAVIUS Wireless Family alarm system
- Uses 3 x AAA batteries (replaceable)
- 4m range from alarm when using the test or hush function
- 30-day low battery warning

CERTIFICATIONS

- CE
- EN60065 Electrical Safety
- EN50130 EMC
- AS4268 RF demands
- RoHS EU
- REACH

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CAVIUS NANO
10 YEAR PHOTOELECTRIC
SMOKE ALARM

Danish by design, the aesthetically pleasing CAVIUS smoke alarms are not only the world's smallest, they also contain advanced technology and intelligent features.

The alarm will make an optical reading every 8 seconds ensuring it is always 'on the lookout' for smoke.

When you press a CAVIUS smoke alarm test button, you are not only testing its audible output, this function is also testing the optical light and visible indicators to ensure the smoke alarm is working as it should.

Product Code: 2008 CAV10

Diameter: 40mm
Profile: 19mm (Recessed)
             44mm (Standard)

FEATURES

- Two installation options; Recessed or Standard mounting base
- 10 Year 'long-life' battery (sealed)
- A penetrating sound at 85 dB(A) at 3 meters
- An easy 10 minute hush and test button
- 30 day low battery alert
- Unique 'smart-clip' ceiling mechanism
- Aesthetically designed
- Easy installation
- Environmentally friendly
- AS3786:2014 certified

CERTIFICATIONS

- AS3786:2014
- NF292
- RoHs
- Reach
- ActivFire®

10 YEAR WARRANTY

10 YEAR BATTERY INCLUDED NON-REPLACEABLE

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CAVIUS NANO
10 YEAR THERMAL
HEAT ALARM

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°C, the alarm will sound.

Product Code: 3004 CAVTH10

Diameter: 40mm
Profile: 14mm (Recessed)
             37mm (Standard)

FEATURES

- Two installation options; Recessed or Standard mounting base
- 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

10 YEAR WARRANTY

10 YEAR BATTERY INCLUDED NON-REPLACEABLE

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CAVIUS NANO
10 YEAR CARBON MONOXIDE
ALARM (CO)

Carbon Monoxide (CO) is a colourless, odourless and tasteless poison gas that can be fatal when inhaled. CO is the product of incomplete combustion and can come from any fuel-burning appliance that is malfunctioning or improperly installed such as; a blocked chimney or flue, gas range grill or stove, fireplaces, etc.

The CAVIUS CO alarm is not only the world's smallest, it also contains advanced technology and intelligent features. The alarm will make a CO reading every 30 seconds if the concentration is less than 200 parts per million (ppm).

At 300 ppm, the alarm will activate.

Product Code: 4002 CAVCO

Diameter:	40mm
Profile:	19mm (Recessed)
	44mm (Standard)

FEATURES

- Two installation options; Recessed or Standard mounting base
- 10 Year 'long-life' battery (sealed)
- A penetrating sound at 85 dB(A) at 3 meters
- 10 minute hush button
- 30 day low battery warning
- Unique 'smart-clip' base mechanism
- Aesthetically designed
- Easy installation

CERTIFICATIONS

- EN50291-1
- EN50270
- EN60335
- RoHs
- Reach

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RECESS KITS

The World's Smallest Alarms just got even smaller! The new Recess Kit bases are a unique design which allows for any of the battery-operated CAVIUS alarms to be recessed into the ceiling and will make your CAVIUS alarm even more aesthetically pleasing.

When you purchase a CAVIUS alarm, you will be provided with two options; both our standard mounting base and the Recess Kit – you can choose how you wish to install the alarm.

The Recess Kits have passed CSIRO Australia certification.

You will require the cavity space to be a minimum of 22mm in order to install the recess kit base.

NB: The Recess Kit base is not compatible with some older models of CAVIUS alarms, where the test/hush button is located on the side of the alarm.

THE WORLD'S SMALLEST

40 MM

CAVIUS NANO
10 YEAR PHOTOELECTRIC SMOKE ALARM

WIRELESS INTERCONNECTION

78 MM

CAVIUS WIRELESS FAMILY
10 YEAR PHOTOELECTRIC SMOKE ALARM

40 MM

CAVIUS NANO
10 YEAR THERMAL HEAT ALARM

65 MM

CAVIUS WIRELESS FAMILY
5 YEAR THERMAL HEAT ALARM

40 MM

CAVIUS NANO
10 YEAR CARBON MONOXIDE (CO) ALARM

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THE WORLD'S SMALLEST ALARMS