CAVIUS

PHOTOELECTRIC SMOKE ALARM

THE WORLD'S SMALLEST

WIRELESS
ALARM FAMILY

PLEASE READ THIS USER GUIDE CAREFULLY

CAVIUS

CAVIUS Photoelectric Smoke Alarm

Part Code: 2107-002/10022/10050/2117-002

Model: 2107-001/2117-001

Recess Kit Part Code: 11014/11038

WIRELESS ALARM FAMILY

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

For large text option and maintenance guide visit

cavius.co.nz/resources or **cavius.com.au/resources**

TECHNICAL INFORMATION

The maximum number of CAVIUS Wireless Family alarms that can be interconnected within a house group are 32.

Please note: These must be alarms from the CAVIUS Wireless Family range

The distance between interconnected alarms depends on the house layout and they should always be tested after installation. It is not advised to be more than 10m distance between two alarms.

The alarm is powered by two 3v CR123A lithium batteries.

Interconnected by RF: 926.365 MHz

Complies to standards: AS3786:2014/RCM

RoHS

Alarm condition aural signal pattern according to ISO 8201.

1. The best areas to install an alarm:

- Install alarms on each floor of the house, in hallways and stairways.
- Alarms in each room such as bedrooms and living rooms.

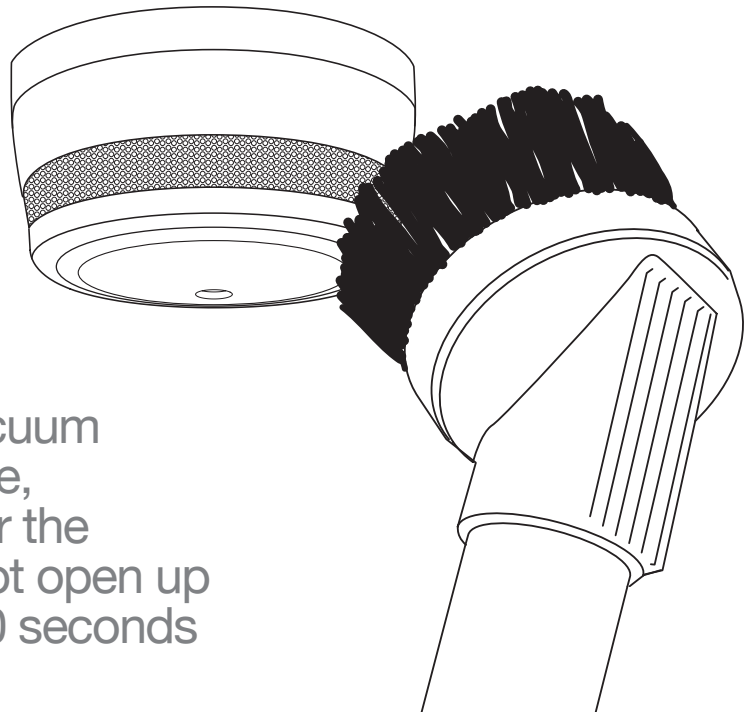
Areas where NOT to install smoke alarms:

- In dusty rooms.
- Within 100cm of a heat pump, air conditioning unit or air vent - also not in direct line of any these systems.
- Within 40cm from the edge of a ceiling fan blade or a light fitting.
- In rooms where the temperature goes outside +5º to 45ºC or above 90% relative humidity non-condensing.
- In kitchens, garages, or laundry – we recommend a thermal heat alarm.

Place the smoke alarm where it is reachable to test the battery and complete maintenance.

2. Maintenance:

All photoelectric smoke alarms,
no matter the brand, require maintenance
from time to time.
By regularly maintaining the alarm,
avoids nuisance false alarms.



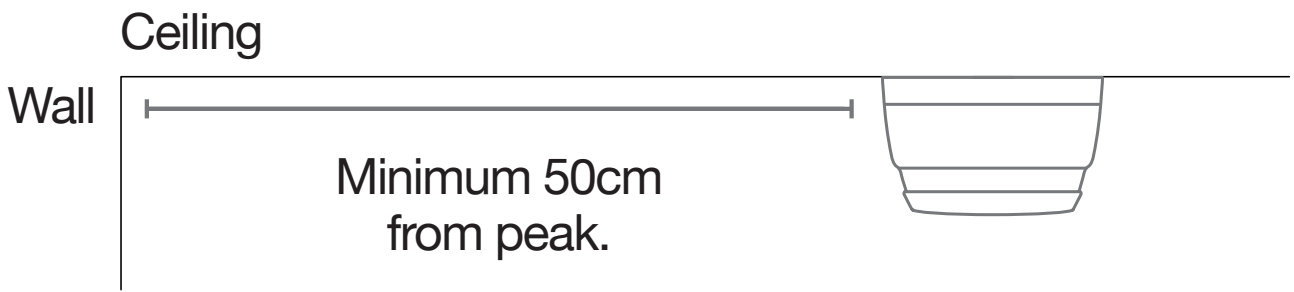
Remove smoke alarm from the base. Run a vacuum cleaner, with a brush attachment if you have one, completely around the outside of the alarm over the chamber filter (grey stainless steel mesh). Do not open up the alarm. Put alarm back into the base, wait 10 seconds and then press the test button.

3. Placement:

The smoke alarm is designed to be installed on a ceiling (preferred) or wall.

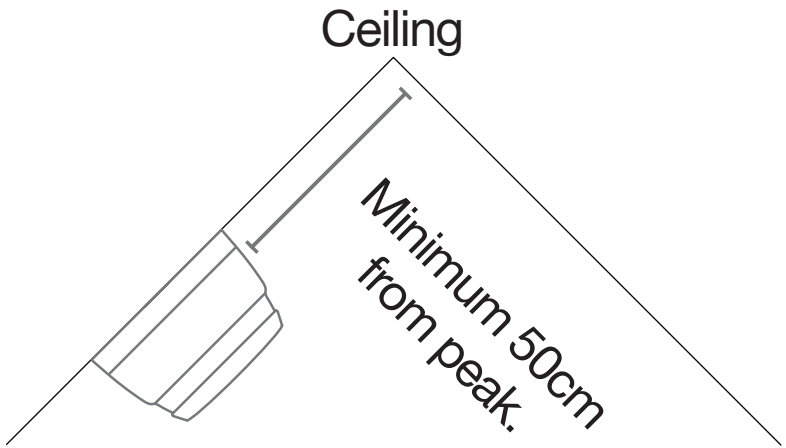
Ceiling installation:

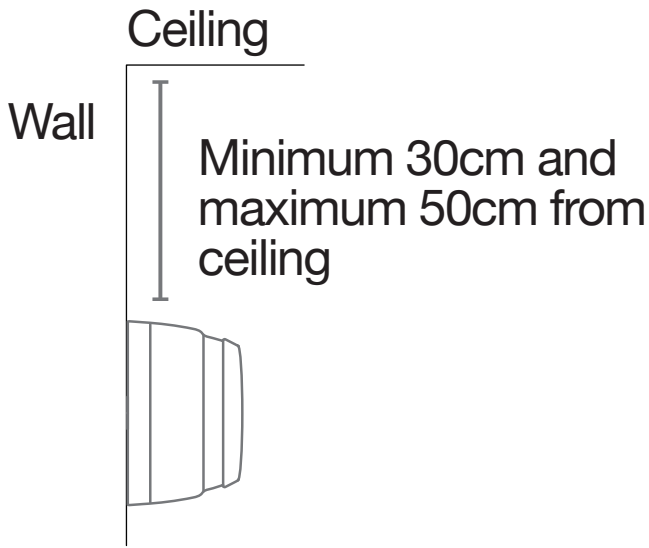
The smoke alarm should be a minimum of 50cm from the wall.



For catheral or peak ceiling or wall installation:

For cathedral or peak ceiling; a minimum of 50cm from the peak

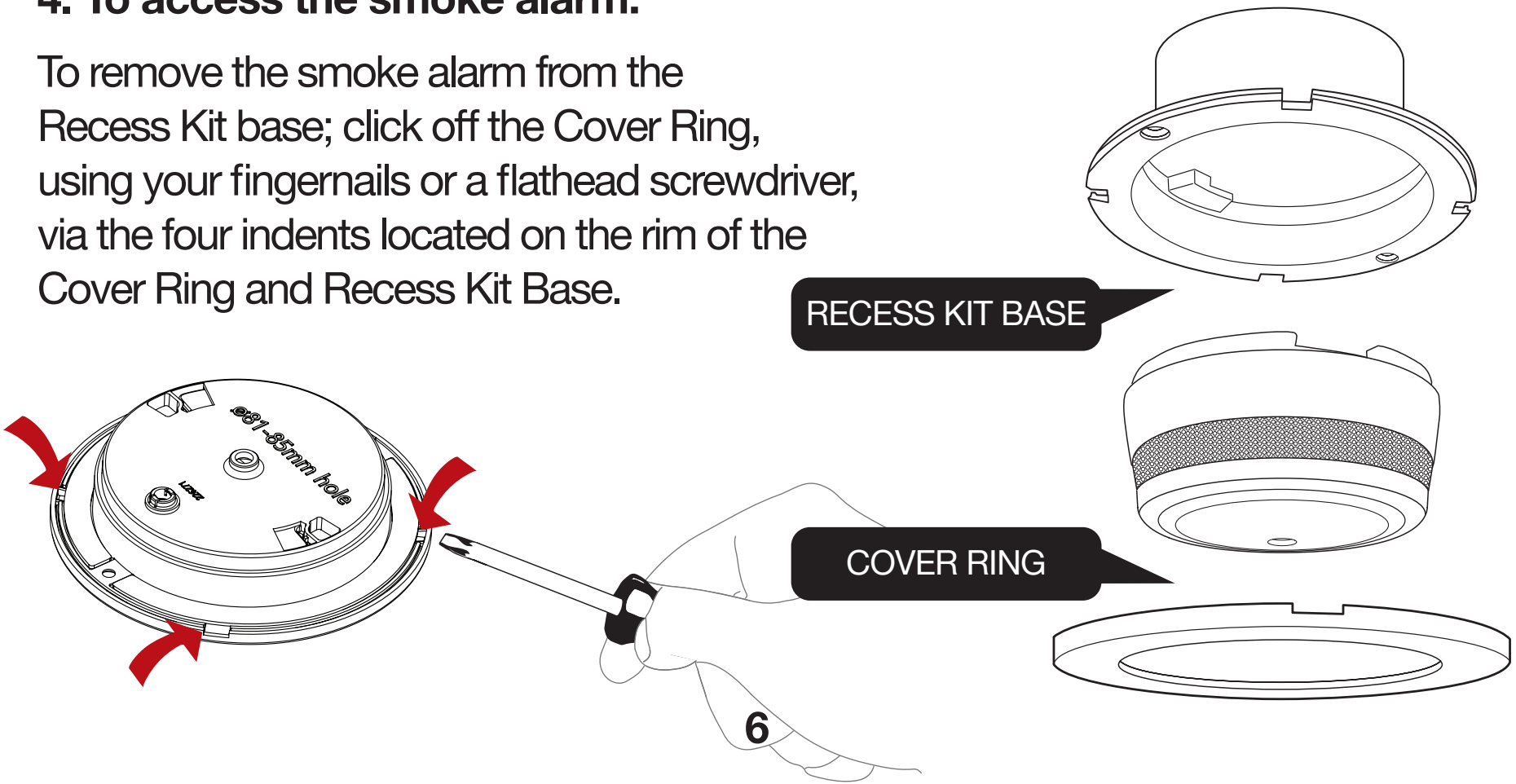




For wall installation; a minimum of 30cm and maximum of 50cm from the ceiling.

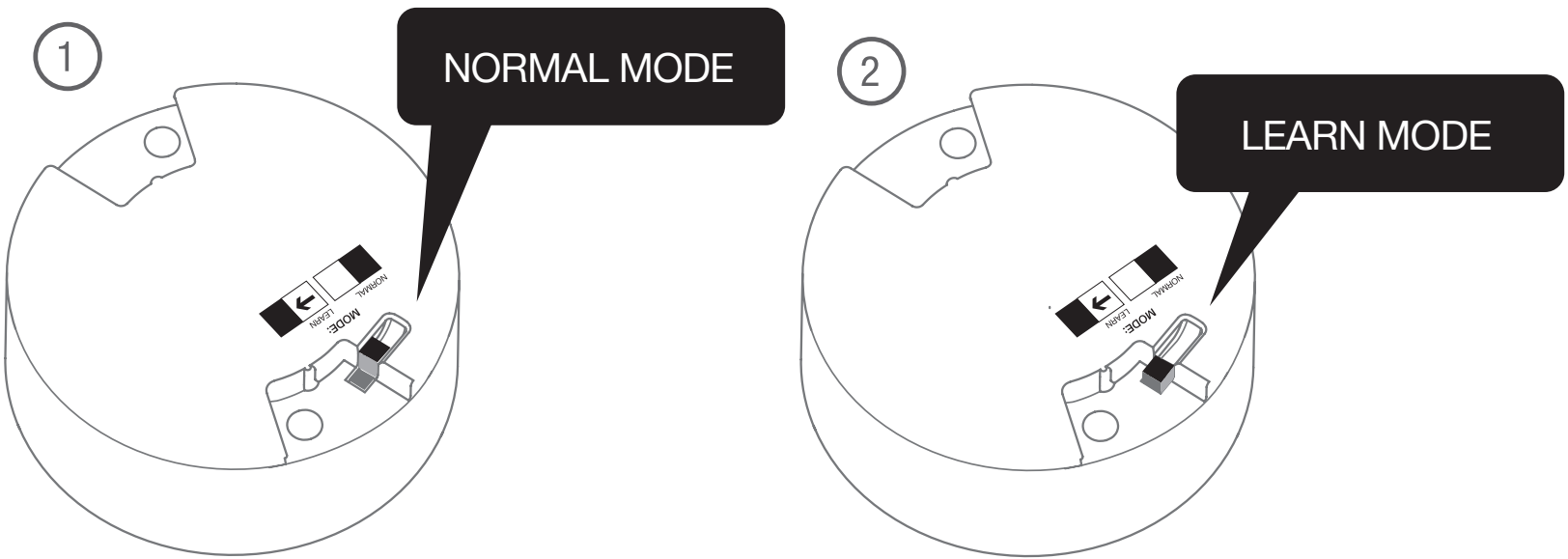
4. To access the smoke alarm:

To remove the smoke alarm from the Recess Kit base; click off the Cover Ring, using your fingernails or a flathead screwdriver, via the four indents located on the rim of the Cover Ring and Recess Kit Base.



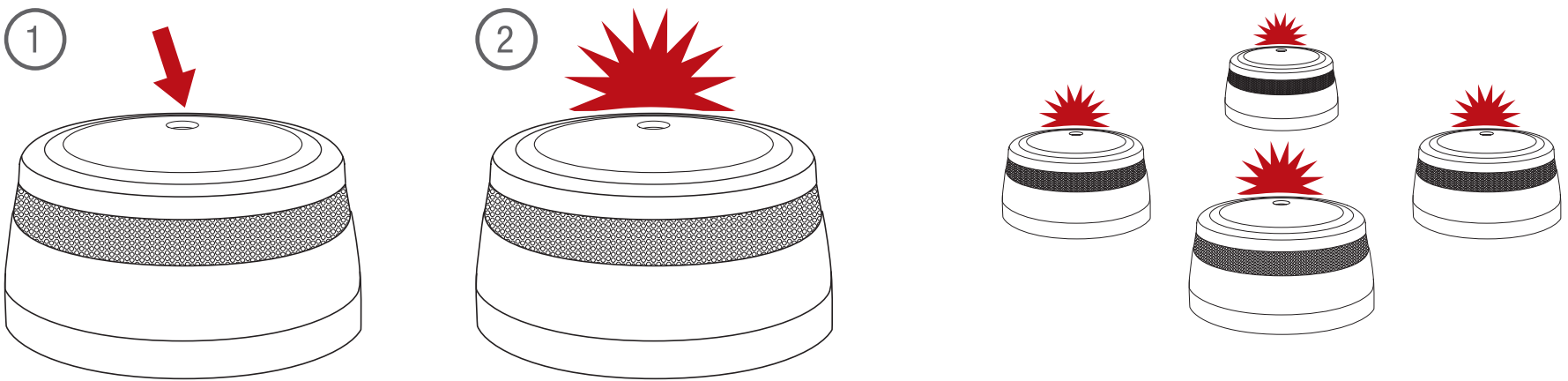
5. How to set up and connect alarms:

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.



Press the button on the top of one alarm only. This alarm will become the ‘Master’ and will start sending out a specific house code to the other alarms (take note of which alarm is the ‘Master’, you may need this for adding extra devices in future). The red LED will flash.

As the other alarms receive the specific house code, they will also flash the LED light. When all alarms flash the red LED, they are connected and can be switched out of ‘Learn Mode’ and installed.

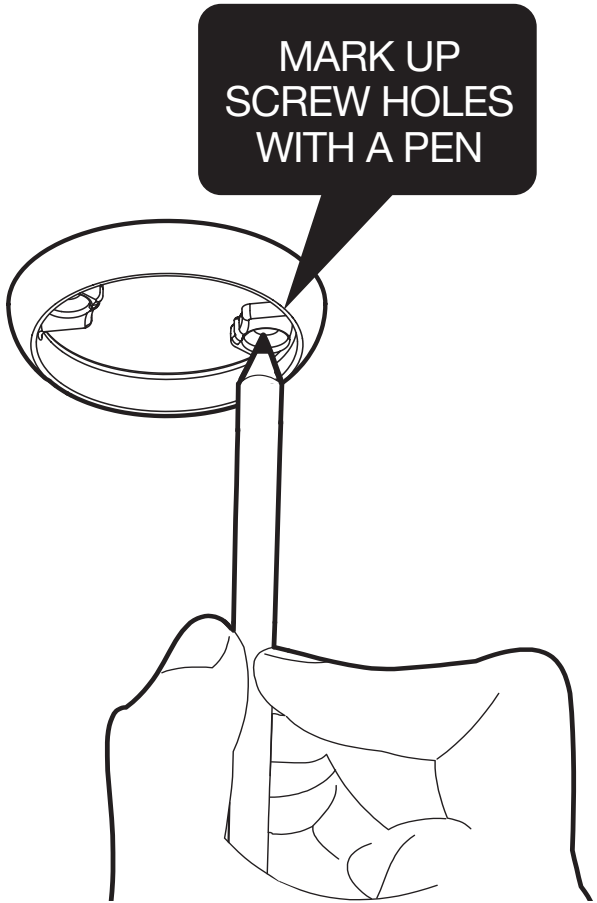


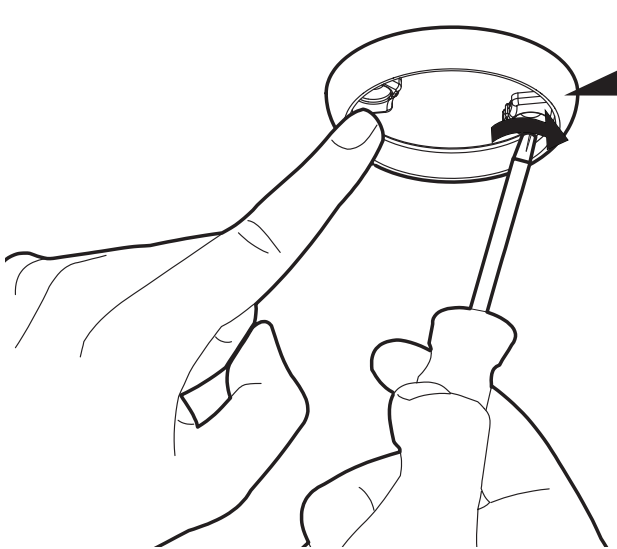
6. Installation of smoke alarm:

Info: The label on the product must not be removed due to important information.

Option 1 – Standard base

1. Use the mounting base ring to mark the screw holes on the ceiling.



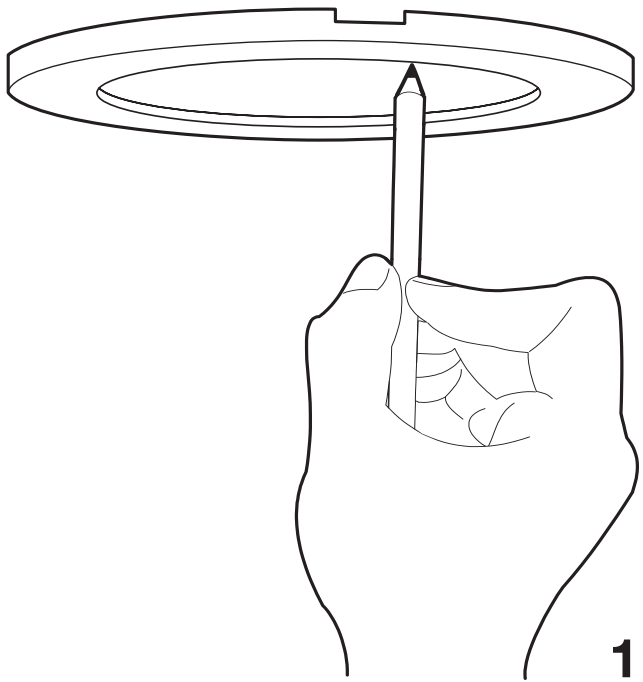


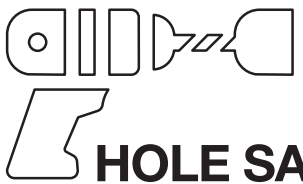
USE THE ENCLOSED SCREWS AND PLUGS FOR INSTALLATION

CLICK THE SMOKE ALARM FIRMLY INTO THE BASE TO ACTIVATE

Option 2 – Recess Kit

1. Place the Cover Ring on the area where you wish to install the smoke alarm, trace around the inside of the ring.



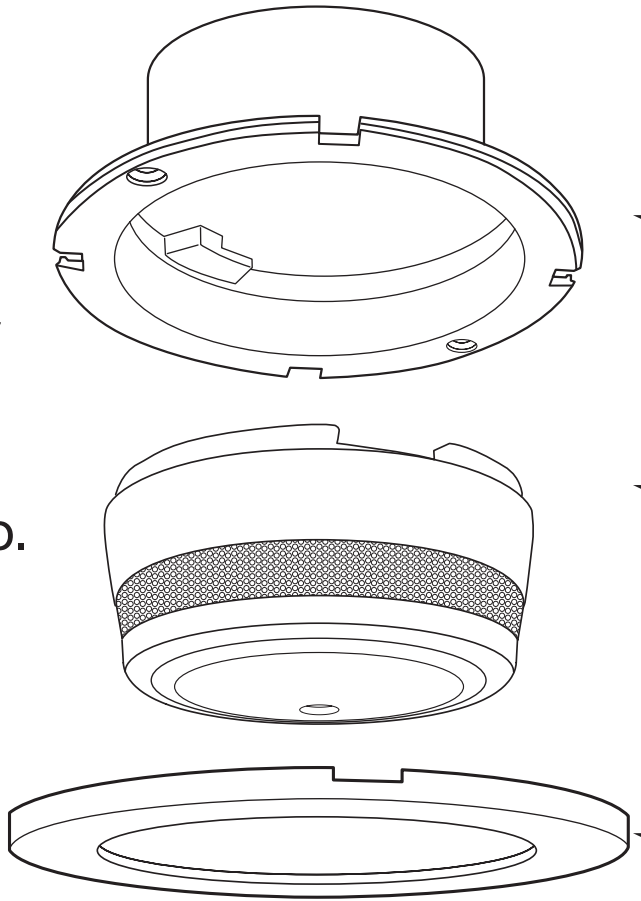


HOLE SAW DRILL REQUIRED.
81mm - 85mm

2. Using your hole saw (81mm-85mm), cut a hole into the surface.

CAUTION: Ensure there is no wiring or any electrical equipment behind the surface you are drilling your hole into.

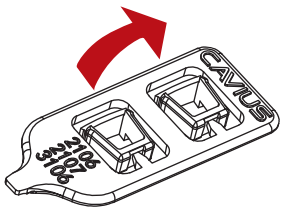
NOTE: The Safety lock cannot be used when installing the alarm with the Recess Kit base option.

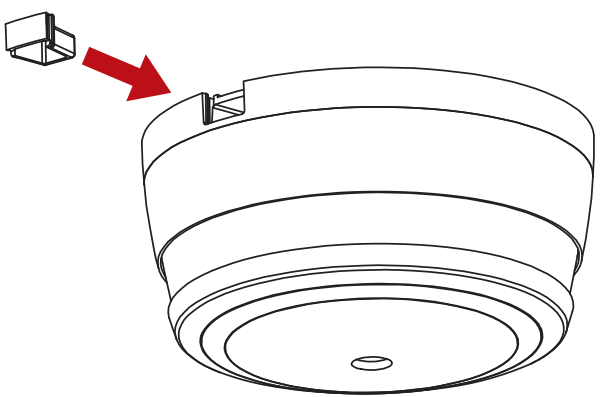


Detach the Safety Lock/Tamperproof pin from the tab and push into the Safety Lock/Tamperproof slot on the alarm base.

There is a spare pin provided in the event of losing one of the pins.

To remove the Safety Lock/Tamperproof pin from the alarm, use the pointed end of the tab to pop out.





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 at least 6.5 seconds (count 2 sets of 3 sound sweeps). 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. The alarms will emit a short beep and the LED will flash every 8 seconds for 2 minutes.

Please note the alarm must be clicked inside the mounting base to perform the interconnection test.

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 smoke sensor fault. The alarm should be cleaned by running the vacuum (on a low setting) around the smoke alarm chamber and tested again.

Once the alarms have indicated they are interconnected; the beeps can be stopped on each alarm with a short press of the test button.

TIP: It is safe to cover the sound output hole with your finger during the testing to minimise the sound level emitted.

If any problems occur during testing, visit www.cavius.co.nz or www.cavius.com.au for further trouble shooting.

8. Normal mode:

In normal mode the LED will flash every 48 seconds to show the alarm is functioning.

9. Alarm mode:

When a concentration of smoke is detected, the smoke alarm will go into ‘Alarm Mode’. It will sound the alarm signal and the LED will flash. Please note that only the source alarm’s LED will flash, so it can be identified.

The smoke alarm will also transmit the alarm signal to the other connected alarms, which will also sound the alarm signal after a short delay.

10. Hush function:

If the smoke alarms are to set into a false alarm by cooking, fireplace, etc. all of them can be paused for 10 minutes by pressing the test button on the originating smoke alarm only (indicated by the flashing LED).

You can hush each alarm individually, however the source alarm will continue to sound until hushed.

The reason for this is that it is necessary to locate the source of the alarm before using the hush function. This is to make sure that it is not a life threatening situation.

11. Add extra device:

All CAVIUS interconnected alarms within the

WIRELESS
ALARM FAMILY

range 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 alarms and heat alarms.

Just place the ‘Master’ and new device into ‘Learn Mode’, repeat Section 4.

Always test connection to all devices by repeating the test function (Section 7) after adding alarms.

Low battery indicator: A short acoustic “beep” will sound and the LED will flash every 48 seconds when the battery is near the end of its life. In this stage it will continue for a minimum of 30 days.

You must replace the smoke alarm after 10 years of use, or if the smoke alarm has suffered any damage. The smoke alarm is not active unless it is clicked into the mounting base.

Always test the smoke alarm after clicking into the mounting base, allow 5 seconds before testing.

FUNCTIONAL INFORMATION

Type of alarm: CAVIUS smoke alarm is a photoelectric smoke alarm.

Alarm signal: Fire alarm activation is indicated by a series of repeated tones. The minimum sound level is 85 dB at 3 metres.

Battery: Powered by two non-replaceable 3v CR123A, 1600mAh lithium batteries.

Manufactured by:

Carrier Fire & Security Danmark A/S, Ellekær 9A, 2. Th, DK-2730.

cavius.com - info@cavius.com
Manufactured in China

Distributor information:

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for New Zealand - On Point Distribution Partners Ltd

58a Poplar Lane, Papamoa 3187, NZ. **www.cavius.co.nz**

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for Australia - CAVIUS Australia PTY LTD

GPO Box 303, Brisbane, QLD 4001, Australia. **www.cavius.com.au**

Warranty:

CAVIUS provides a 10-year warranty against defect in faulty material and workmanship from the date of purchase, on all devices.

The warranty applies to reasonable and normal conditions of use only. It does not include damage as a result of misuse, incorrect installation, accidental damage, neglect, unauthorised deconstruction or dismantling and any airborne or other contamination however this may have occurred.

If this product has an acknowledged defect it must be returned to the national CAVIUS Distributor at the purchasers cost with the proof of purchase.

If the product has become defective within the 10-year warranty, Carrier Fire & Security Danmark A/S, will repair or replace the unit without charge and send back to the purchaser, via the national Distributor at the Distributors cost.

The guarantee excludes labour costs, freight costs, service costs and any incidental and consequential damages. Do not attempt to repair or service this product as this will invalidate the warranty.

Under some unusual circumstances the presence of high levels of radio spectrum pollution may result in the batteries within the CAVIUS device not lasting as indicated in the product sheet. Radio spectrum pollution comprises transmissions inside the band allocated for alarm devices such as the CAVIUS devices. Such transmissions may activate the receiver inside the devices for a longer time than is normal in standby.

This is not a specific problem for CAVIUS devices but for all similar radio linked technology powered by batteries. The limited warranty will not cover the battery life period indicated in the product sheet in these situations.

This warranty is in lieu of any other warranty either expressed or implied.

You can register your CAVIUS devices on our website.

CAVIUS

REGISTER YOUR
CAVIUS PRODUCT WITH US
& GO IN THE DRAW TO WIN

CAVIUS.CO.NZ/WARRANTY