

# USER GUIDE

## CAVIUS UK MAINS POWERED SMOKE ALARM

Mains powered smoke alarm device  
Commercial reference: 2208  
Developed by CAVIUS

The smoke alarm is designed for private homes.

**PLEASE READ THE USER 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.

### 1. 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 10 seconds. 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 transmits a weaker 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 smoke sensor fault. The alarm should be cleaned by running the vacuum (on a low setting) around the smoke alarm chamber and tested again.

If required this indication can be stopped early on each alarm by a short press of the test button.

**TIP:** It is safe to cover the sound output holes with your finger or a cloth during the testing to minimize the sound level emitted.

If the problem continues, please visit [www.cavius.com](http://www.cavius.com) for any trouble shooting.

### 2. NORMAL MODE:

In normal mode the LED will flash every 48 seconds to show correct operation.

The green LED is on when the alarm is connected to mains power. It may take up to 1 minute to indicate that mains power has been connected.

### 3. ALARM MODE:

When the smoke is detected, the smoke alarm will go into 'Alarm Mode'. It will sound the alarm signal and the red LED will flash.

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.

The CAVIUS Wireless Family have two different alarm signals:

**Alarm signal 1** (--- --- ---) is life threatening alarms.

**Alarm signal 2** (- - -) is a non life threatening alarm.

Smoke alarm signal: --- --- ---  
Heat alarm signal: --- --- ---

Please note that only the originating alarm's red LED will flash, so it can be identified.

### 4. PAUSE/HUSH FUNCTION:

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

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.



### 5. LOW BATTERY SIGNAL:

Your product has a sealed battery back-up with a 1 year life in battery mode without mains power, and up to 10 years normal life with mains.

When the battery is starting its end of life, a short beep will sound out every 48 seconds for 30 days.

Only the alarm with the low battery will sound, no other connected alarms will sound.

### 6. MAINTENANCE & TROUBLE SHOOTING:

The smoke alarm should be vacuum cleaned once per quarter, to remove dust particles, and it can be wiped with a damp cloth. (Do not open the alarm).

High humidity condensing which can be resolved by drying the smoke alarm.

If the smoke alarm does not work when the test button is pushed, the probable cause is a power failure.

If the problem continues, please visit [www.cavius.com](http://www.cavius.com) for any trouble shooting.

### 7. OTHER INFORMATION:

Do not paint the alarm.

Disposal: Please dispose properly at the end of life. This is electronic waste which should be recycled.

Complies to the Radio Equipment Directive 2014/53/EU

RF frekvens: 868 MHz.

Maximum radio-frequency power transmitted: 20 dBm

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

**WARNING: Please remove dust cover after installation. Smoke will not be able to reach the chamber while dust cover is in place.**

**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 permanently fixed 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. Note the local country regulations regarding installation.

**⚠ 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 7671:2018.

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.



1116  
EN 14604:2005 + AC:2008  
DoP no.: 2208

The CE and RED declaration of conformity and DoP can be downloaded from: <http://www.cavius.com>  
The paper version of the DoP is available free of charge upon request.  
Declared performance 4:1-4:19 + 5:2-5:24. Passed.

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