



## Cavius RF Mains Powered Smoke Alarm (CV2208)

Mains powered smoke alarm device with wireless interlink and battery back-up.

Designed for installation in private homes. The alarm can be mounted on top of a conduit box or on the ceiling with the enclosed base.

This alarm can be connected with other alarms from the CAVIUS Wireless alarm family or function as a stand alone alarm. Top cover designed for easy to access vacuum cleaner nozzle.

The alarm makes an optical reading every 8 seconds. At unusual readings (going into alarm stage), the readings are taken every 2 seconds.

## PRODUCT FEATURES

**INSTALLATION POSITION:** Wall & ceiling. Set of 2 x screws and 2 x plugs included.

**PRODUCT DIMENSIONS:** D: 97 mm. x H: 52 mm.

**PRODUCT WEIGHT (GR):** Base alarm weight (excluding screws, plugs and mounting ring): 200 g.

**OPERATION AC/DC:** 110V AC, 230V AC

**BATTERY TYPE:** CR2 back up battery (non-replaceable).

**BATTERY LIFE:** Minimum 10 year life in normal operating condition (1 year without power supply).

**POWER CONSUMPTION:** Power consumption 161mAh in the non alarm condition.

**LOW BATTERY INDICATION:** A short acoustic "beep" will sound and LED 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.

**INTERLINK FREQUENCY:** 868MHz

**SIGNALS:** Transmits RF signals to the CAVIUS Wireless Family at alarm.

**NORMAL OPERATION:** LED flashes every 48 second for normal operation. Green LED shows mains power on.

**INTERLINK RANGE:** Minimum 100m in open field. Range depends on the building materials and will need to be tested in each individual case.

**SOUND:** Audible indicator min. 85 dB @ 3 meter in anechoic chamber.

**SOUND PATTERN:** Fire alarm condition is indicated by a series of three successive tones.

**VISIBLE INDICATOR:**

A red LED is used to indicate the following conditions:

- fire alarm condition is indicated by a flash every 0.5 seconds
- smoke sense speed up is indicated by a flash every 2 seconds when the smoke level is at the alarm threshold
- normal operation is indicated by a flash every 48 seconds
- a green LED is used to show the alarm is powered by mains supply

**PUSH BUTTON:** The smoke alarm includes a push button switch built into the top of the alarm for easy access. This button has the following functions:

- set up - press the button to start sending out a specific house code to the others alarms
- hush - during an alarm condition this immediately silences the alarm when pressed. When the button is released, the alarm remains silenced for 10 minutes
- test - when not in alarm the sounder can be activated to provide a sensor OK test function. While the button is pressed, the audible and visible indicators are activated if the sensor is OK

## PRODUCT FEATURES

DETECTION TIMING:	The smoke detector is reading every 8 seconds, every 2 seconds at unusual readings (alarm stage).
ISOTOPE ACTIVITY:	Absence of radioactive substances.
WARRANTY:	10 year
APPROVALS:	EN 14604:2005 EN60065 RED RoHS REACH
CE TESTING INSTITUTE:	CNPP
NOTIFIED BODY:	CNPP Certification
ADDITIONAL TESTING AND APPROVALS:	SGS (RF approval)
NOTIFIED BODY NUMBER:	1115
ASSOCIATIONS AND COMMITTEES:	CAVIUS is member of the NF292 committee. CAVIUS is member of GIFSID, manufacturers' association of domestic fire safety equipment.
OPERATING TEMPERATURE:	-10°C to +70°C
OPERATING HUMIDITY:	Up to 90% RH non-condensing
STORAGE TEMPERATURE:	-20°C to +60°C
STORAGE HUMIDITY:	Up to 93% RH non-condensing

## QUALITY ASSURANCE

SOUND LEVEL:	100% tested in special designed sound chamber.
SENSITIVITY:	100% tested in special designed test tunnel made by world leader AWT (UK).
POWER CONSUMPTION:	100% tested
BATTERY VOLTAGE AND INTERNAL RESISTANCE:	100% tested
ALARM FUNCTION:	100% tested
INTERCONNECTION:	100% tested
VISUAL APPEARANCE:	100% tested
PACKING CONTENT:	100% tested