

6000

# FIRECHIEF® ALARMS

UNOBTRUSIVE BY DESIGN



## Firechief Cavius RF 10 Year Battery Optical Smoke Alarm

FC6010 - Part of the Firechief Alarms 6000 Range

Approved to EN14604



10 YEAR  
LITHIUM



BUILT-IN RF



MOBILE APP



LINK 32  
DEVICES



100% TESTED



POWERED BY  
CAVIUS  
TECHNOLOGY

DANISH  
DESIGN



reddot design award  
winner



ENGINEERED IN BRITAIN

**FIRECHIEF®**  
making the world a safer place

 [firechiefglobal.com](https://www.firechiefglobal.com)

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FC6010



## PRODUCT DATA

### DEVICE TYPE:

Optical smoke alarm device with wireless interlink.

### USAGE:

Designed for installation in private homes, camping trailers, mobile homes and caravans.

This alarm can be connected with other alarms from the Firechief CAVIUS Wireless alarm family or function as a stand alone alarm. Max covering area 60m<sup>2</sup>.

### FUNCTION:

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

### 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:

Base alarm weight (excluding screws, plugs and mounting ring): 96 g.

### OPERATION AC/DC:

DC

### BATTERY TYPE:

Non-replaceable 10 year battery (pack of 2 CR123A Lithium batteries).

### BATTERY LIFE:

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

### POWER CONSUMPTION:

Battery consumption is 162mAh for one year in normal operation.

### 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.

### 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 INDICATORS:

A red LED is used to indicate the following conditions:

- fire alarm condition is indicated by a flash every 0.5 second
- 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.

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### 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.

### 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:

AFNOR Certification

### ADDITIONAL TESTING AND APPROVALS:

SGS (RF Approval)

### NOTIFIED BODY NUMBER:

0333

### ASSOCIATIONS AND COMMITTEES:

CAVIUS is member of the NF292 committee.

CAVIUS is member of GIFSID, manufacturers' association of domestic fire safety equipment.

### OPERATING TEMPERATURE:

+4°C to +38°C (tested from 0 degrees to 55 degrees)

### 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) 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

## MANUFACTURER

Cavius Aps, DK8600

6000

Firechief Cavius RF 10 Year Battery Optical Smoke Alarm

FC6010



100% scale - Diameter 78mm

**CONTACT US ON**

**T** 0330 999 0019

**F** 01572 770133

**E** [sales@firechiefglobal.com](mailto:sales@firechiefglobal.com)

Monday to Friday 8am – 5pm