# eurotech®
## fire systems limited

## Cavius CO Alarm (CV4002)

Carbon monoxide alarm device.

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

The alarm will make a CO sensor reading every 30 seconds if the concentration is less than 200ppm. At 200ppm or higher the readings will be made every 10 seconds.

# PRODUCT FEATURES

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

PRODUCT DIMENSIONS: D: 40 mm. x H: 38 mm.

PRODUCT WEIGHT (GR): Base alarm weight (excluding screws, plugs and mounting ring): 40 g.

OPERATION AC/DC: DC

BATTERY TYPE: Powered by a non-replaceable 3v CR123A lithium battery 1600mAh

BATTERY LIFE: Minimum 10 year life in normal operating condition

POWER CONSUMPTION: Battery consumption is 82mAh 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.

NORMAL OPERATION: LED flashes every 48 second for normal operation.

VISIBLE AND AUDIBLE INDICATOR:

| Normal Mode | Short flash green LED every 60 sec | - - - - - |
|---|---|---|
| Alarm Mode | Sound sweep with red LED | /// /// /// |
| Test Pass | 1 sound sweep and green LED will flash for 3 sec | /// |
| Battery Fault | 1 beep every 60sec. with yellow LED | - - - - - |
| Sensor Fault | 2 beeps every 60sec. with yellow LED | -- -- -- -- |
| End of life of sensor | 3 beeps every 60sec. with yellow LED | --- --- --- --- |

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

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|---|---|
| DETECTION TIMING: | Cavius CO-alarm alerts you according to the following levels (PPM=parts per million):<br>0-50 ppm (green): Safe<br>50-100ppm (yellow): Alarm starts after 60-90 minutes<br>100-300ppm (orange): Alarm starts after 10-40 minutes<br>300+ppm (red): Alarm starts in 3 minutes or less |
| WARRANTY: | 10 year |
| APPROVALS: | EN50291-1<br>EN50270<br>EN60335<br>RoHS<br>REACH |
| CE TESTING INSTITUTE: | LNE |
| ASSOCIATIONS AND COMMITTEES: | CAVIUS is member of the NF292 committee. CAVIUS is member of GIFSID, manufacturers' association of domestic fire safety equipment. |
| OPERATING TEMPERATURE: | +4ºC to +38ºC (tested from 0 degrees to 55 degrees) |
| OPERATING HUMIDITY: | Up to 90% RH non-condensing |
| STORAGE TEMPERATURE: | -20ºC to +60ºC |
| STORAGE HUMIDITY: | Up to 93% RH non-condensing |

## QUALITY ASSURANCE

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|---|---|
| SOUND LEVEL: | 100% tested in special designed sound chamber. |
| SENSITIVITY: | 100% tested |
| 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 |