

Chubb ClariFire CA Carbon Monoxide

Fire Systems

Prevent Fire | Detect Fire | Contain Fire | Escape Fire

Product

ClariFire CA Carbon Monoxide Fire Detectors



System Benefits

Carbon monoxide (CO) fire detectors are electronic detectors used to indicate the outbreak of fire by sensing the level of carbon monoxide in the air. CO fire detectors can be used to supplement smoke detection in areas where the main risk is smouldering fires and, in areas where optical detectors are deemed unsuitable due to the risk of false alarms.

Operating Principles

Carbon-based materials in the smouldering stage of a fire can produce significant levels of carbon monoxide. Carbon monoxide detectors contain an electrochemical cell that senses carbon monoxide and will therefore give an early warning of fire.

Supplement to Standard Detection Devices

Carbon monoxide detectors do not detect smoke or any other combustion products and are not universal replacements for smoke detectors.

Resistance to False Alarms

Carbon monoxide detectors are less susceptible than smoke detectors to false alarms from sources such as toast, steam, cooking, plumbing work and hair spray.

Application

Typical applications include hotel bedrooms, halls of residence, sheltered accommodation and hospital wards.

Limitations

Carbon monoxide detectors are set to a higher sensitivity than the maximum allowed by the domestic carbon monoxide alarm standard. They will respond to carbon monoxide from faulty gas appliances or vehicle exhausts. CO detectors give a poor response to life threatening flaming fires.

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Technical Data

ClariFire CA Carbon Monoxide Detector

Power

Supply Voltage (VDC) 14 - 28

Current Consumption

Quiescent current (micro amps) 500 average

Alarm current (ma) 3.5

Alarm indication Dual Red LED

Physical

Diameter 100

Height with base (mm) 50

Weight (grams) 105

Colour White

Case material Polycarbonate

Environment

Operating Temp (°C) Continuous 0 to +40

Operating Humidity 15% to 90% relative humidity

Cell Life 7 Years

Max wind speed (m/s) Unaffected

Radioactive source N/A

I/P Rating 43

Approvals

Approvals standard EN54-7

LPCB approved No

Part Numbers

Carbon Monoxide Detector F850542N

Sensor Base - Type CA F850254N

Remote Sensor Indicator F3190067N

Chubb Fire, helping you to:

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