Chubb ClariFire

Fire Systems

Prevent Fire | **Detect Fire** | Contain Fire | Escape Fire

Product

ClariFire CA Intelligent Analogue Addressable Fire Sensor

System Benefits

The ClariFire CA fire detectors take the advanced features of Chubb Fireseeker CA range and with new dimensions of sophistication provide total reassurance in installations where adaptability to changing environmental conditions and protection against unwanted alarms are paramount. ClariFire CA is backward compatible with all Controlmaster fire control panels.

- **Robust, proved digital communications protocol**

- **Five adjustable sensitivity modes for environmental variations**

- **Twin fire condition LED indicators provide 360° visibility**

- **Combatible with existing Fireseeker CA detectors and CA Loop interface units**

Chubb

⠿ Chubb ClariFire

⠿ Product Range

The range has been carefully researched and has undergone rigorous testing to ensure that it meets not only standards world-wide but also the demands of today's high technology environments.

ClariFire CA Ionisation Smoke Detector
These detectors are suitable for general applications, but are particularly sensitive to invisible smoke particles produced by fast burning flaming fires of a carbonaceous nature.

Clarifire CA Optical Smoke Detector
These detectors are suitable for general applications, but are more sensitive to the larger smoke particles produced by smouldering fires making them ideal for detecting the optically dense smoke produced by man-made materials.

ClariFire CA Heat Detector
Heat detectors are generally used in locations where smoke detectors may prove to be unsuitable due to environmental conditions.

ClariFire CA Multi Sensor
The multi sensor is particularly useful over a wide range of fire risk applications. The five different modes of sensitivity selection provide behaviour which incorporates heat detection, smoke detection or a combination of both.

Common Detector Base-Device Addressing
A common base allows detector interchangability and maintains loop continuity when sensors are removed.

Short Circuit Isolating Detector Base
This base senses and isolates short circuit faults in cable loops and spurs.

ClariFire CA Addressable Manual Call Point
The addressable manual call points are designed for maximum reliability, ease of use and safety.

Weatherproof Addressable Manual Call Point
This unit has exactly the same operation as the addressable manual call point except it features a weatherproof housing to IP66 for external applications.

CA Addressable Loop Interfaces
To monitor and switch associated equipment a range of interfaces are available, enabling fire protection systems to be engineered simply and effectively without the need for custom designed equipment.

Loop-powered Addressable Sounders
Two types of addressable loop-powered sounder are available, allowing to specify not only the sound output but also the functionality of individual sounders or group of sounders.

⠿ Technical Data

	ClariFire CA Optical Detector	ClariFire CA Ionisation Detector	ClariFire CA Heat Detector	ClariFire CA Multi Sensor	CA Addressable Sounder	CA Short Circuit Isolator Base
Power						
Supply Voltage (VDC)	14 - 28	14 - 28	14 - 28	14 - 28	14 - 28	14 - 28
Current Consumption						
Quiescent current (micro amps)	400	500	500	500	140	47
Alarm current (ma)	3.4	3.5	3.4	3.5	3 @ 85dBA	N/A
Alarm indication	Clear LED, red in alarm	Red LED	Red LED	Clear LED, red in alarm	N/A	Yellow LED
Physical						
Diameter	100	100	100	100	115	100
Height with base (mm)	50	50	50	58	25	24
Weight (grams)	105	105	105	105	140	95
Colour	White	White	White	White	White	White
Case material	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate	Polycarbonate
Environment						
Operating Temp (°C)	-20 to + 60	-20 to + 60	-20 to + 60	-20 to + 60	-20 to + 60	-20 to + 60
Humidity non-condensing @40°C	0% to 95%	0% to 95%	0% to 95%	0% to 95%	0% to 95%	0% to 95%
Max wind speed (m/s)	Unaffected	10	10	Unaffected	N/A	N/A
Radioactive source	N/A	Americium 241	N/A	N/A	N/A	N/A
I/P Rating	43	43	43	43	43	43
Approvals						
Approvals standard	EN54-7	EN54-7	EN54-7	EN54-7	EN54-7	EN54-7
LPCB approved	Yes	Yes	Yes	Yes	N/A	Yes
Part Numbers	F850508N	F850509N	F850510N	F850511N	F850386N	F850459N

Chubb Fire, helping you to:
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Call **0800 32 1666** or visit **www.chubb.co.uk**

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