

- Cloud Chamber Detection Principle
- Up to 200 mtrs Sampling Pipe
- Programmable 'Pre-Alarm' warning condition
- 3 Programmable 'Fire' warning conditions
- Local Buzzer
- Silence and Reset Buttons
- Vast Sensitivity Range (incipient to conflagrating)
- Latching / non latching alarm contacts
- Airflow Monitoring
- 'Fault Diagnostic' feature
- Immune to dust, humidity & temperature changes

Cirrus Pro 200D



CLOUD CHAMBER FIRE DETECTOR

The 'sensitivity range' is the key feature that makes the Cirrus Pro Series Fire Detector the world's most versatile fire detection device.

For over 20 years Cloud Chamber detectors have been known as the most sensitive fire detection device, able to detect at the true incipient stage of a developing fire.

The New Cirrus Pro Series Detectors have a vast sensitivity range capable of being even more sensitive than previous versions. In addition the detector may now be configured to be installed in heavily contaminated environments, such as polluted production and warehousing facilities.

ALMOST UNLIMITED APPLICATIONS

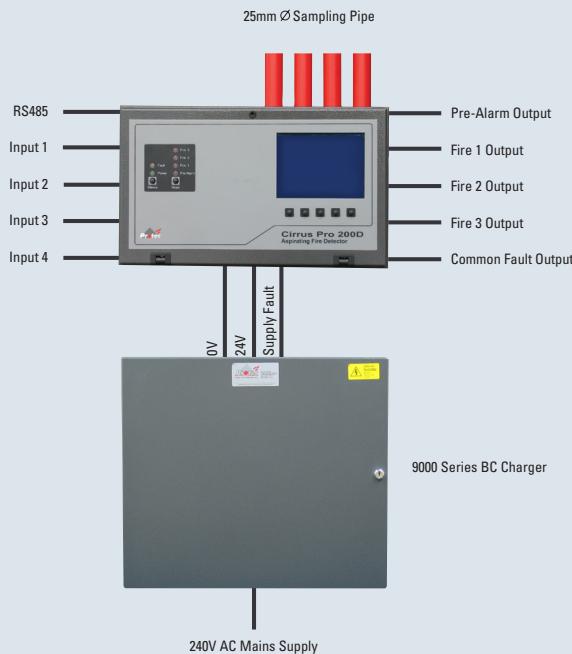
High Sensitivity Applications include:- Computer Rooms, Clean Rooms, Control Rooms, Data Centres, Valve Halls, Archive Storage, Anechoic Chambers, EDP areas.

General Sensitivity Applications include:- Historic Buildings, Museums, Hospitals, Cathedrals, Theatres, Art Galleries, Clean Warehouses, Atria, Indoor Stadiums.

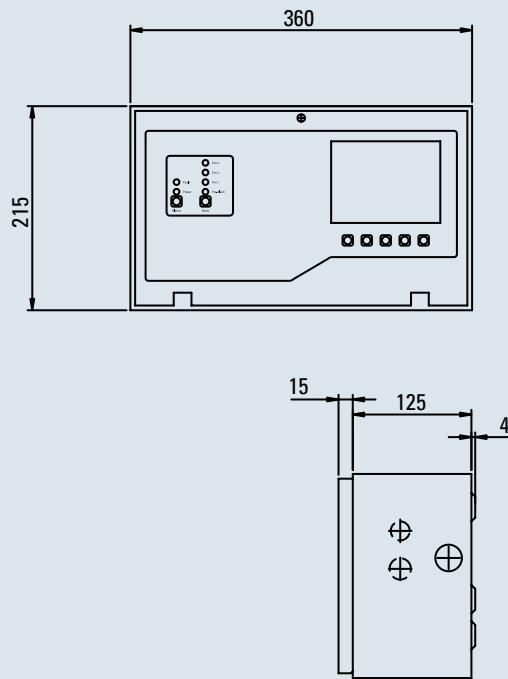
Harsh Environment Applications include:- Cold Storage Facilities, Specialist Production Facilities, Food Industry Facilities, Paper Production Facilities, Transportation Terminals, Flight Simulators, Aircraft Hangers, Prisons, Inaccessible Voids, Dirty Warehouses.

Technical Specification

Connections



Dimensions (mm)



Technical Specification:

Supply Voltage	20 - 29VDC	Alarm Indications	Pre-alarm, Fire 1, Fire 2, Fire 3.
Power Consumption	10 watts quiescent	Programmable Inputs	4 monitored inputs that may be configured for Isolate, Reset, Disable, Fault, Gain Set, Battery Fault and Mains Fault.
Current Consumption	416mA quiescent 585mA alarm	Programmable Output Relays	5 Relays rated 1A @ 30VDC (Volt-free change over contacts)
Dimensions	(W) 360mm, (H) 215mm (D) 144mm	Event Log	128 events stored on FIFO basis
Weight	5kg (11lbs)	Data Retention	Approx 10 day historical graph.
Operating Conditions		Variable Sensitivity Settings	7 day programmable settings with 3 time zones per day.
Detector Ambient	0°C to 38°C (32°F to 100°F)	Multi-function Display /Programmer	Cirrus Pro 200D incorporates a quarter VGA backlit LCD. In normal conditions the Date, Time, Detector Text and particle Levels are all displayed. Alternatively any Fault, Pre-Alarm or Fire conditions will be displayed. Event Logs, 'Historical' and 'Real Time' graphs may also be displayed. The LCD display is also used in conjunction with the programming keys to commission each unit without need for a computer link.
Tested to	0°C to 55°C (32°F to 131°F)		
Sampled Air	-20°C to 60°C (-4°F to 140°F)		
Humidity	10 - 95%RH, non-condensing		
IP Rating	IP30	Airflow Monitoring	High Airflow' and 'Low Airflow' fault monitoring.
Cable Access	6 x 20mm knock outs		
Cable Termination	Screw terminal blocks (0.2 - 2.5mm ² , 30 - 12AWG)		
Sampling Network	Single inlet port with combined sampling pipe length up to 200m typically (650ft.) Maximum Transport Time allowed up to 120 seconds.		
Pipe ID	19 to 25mm (preferred OD 25mm)		
Sensitivity Range	20,000 particles per cc to 3 million particles per cc 10 programmable sensitivity ranges.		