

- 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 unwanted alarms from dust, humidity & temperature changes



EN54-20

CLOUD CHAMBER FIRE DETECTOR

The 'sensitivity range' is the key feature that makes the Cirrus Pro Series Fire Detector the worlds 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.

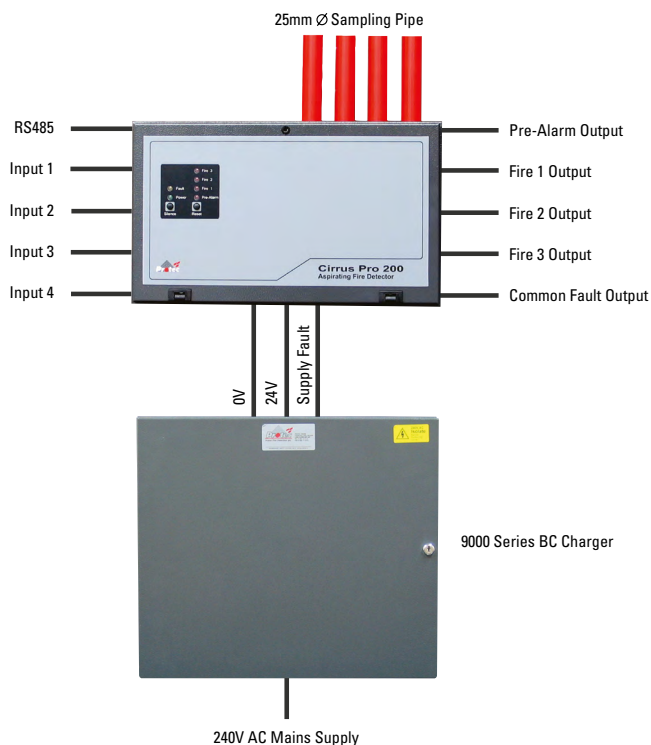
Harsh Environment Applications include:- Cold Storage Facilities, Specialist Production Facilities, Food Industry Facilities, Paper Production Facilities, Transportation Terminals, Flight Simulators, Aircraft Hangers, Prisons, Inaccessible Voids, Dirty Warehouses.

Technical Specification

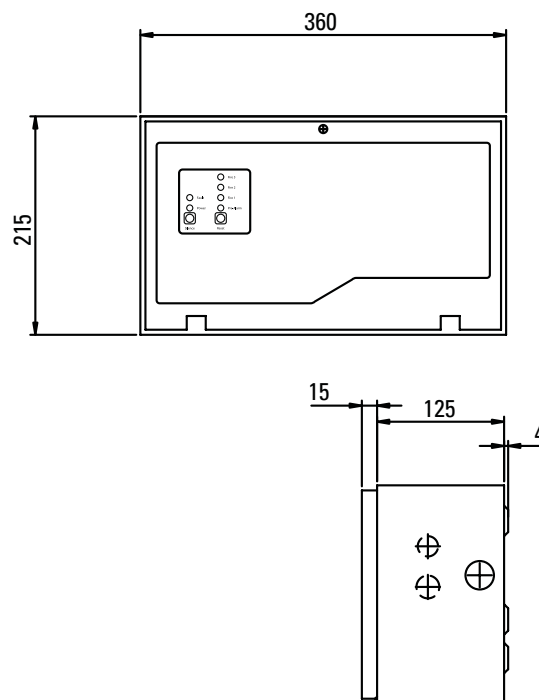
Supply Voltage	20 - 29VDC	Pipe ID	19 to 25mm (preferred OD 25mm)
Power Consumption	8.2 watts quiescent (24VDC 90% Fan Speed)	Alarm Indications	Pre-alarm, Fire 1, Fire 2, Fire 3.
Current Consumption	340mA quiescent 500mA alarm (24VDC 90% Fan Speed)	Other Indications	Supply Healthy, General Fault.
Dimensions	(W) 360mm, (H) 215mm (D) 144mm	Sensitivity Range	EN54 Class A - 36 holes Gain 9 @ 15% EN54 Class B - 36 holes Gain 8 @ 15% EN54 Class C - 36 holes Gain 7 @ 15%
Weight	5kg (11lbs)	Programmable Inputs	4 monitored inputs that may be configured for Isolate, Reset, Disable, Fault, Gain Set, Battery Fault and Mains Fault.
Operating Conditions		Programmable Output Relays	5 Relays rated 1A @ 30VDC (Volt-free change over contacts)
Detector Ambient Tested to	0°C to 38°C (32°F to 100°F)	Event Log	128 events stored on FIFO basis
Sampled Air Humidity	0°C to 55°C (32°F to 131°F)	Data Retention	Approx 10 day historical graph.
IP Rating	IP30	Variable Sensitivity Settings	7 day programmable settings with 3 time zones per day.
Cable Access	6 x 20mm knock outs	Airflow Monitoring	'High Airflow' and 'Low Airflow' fault monitoring.
Cable Termination	Screw terminal blocks (0.2 - 2.5mm ² , 30 - 12AWG)	Order Codes	N 61-986-16-EN54
Sampling Network	Four inlet ports with combined sampling pipe length up to 200m (650ft.) Maximum Transport Time allowed up to 120 seconds.		

NOTE: All designs subject to ProFlow sampling pipe calculation program

Connections



Dimensions (mm)



Product Approval

EC Certificate No: 0359-CPR-00252

DoP No: PFD-CPR-0083

Company Policy is one of continuous improvement, we reserve the right to change specification without prior notice

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