

Cirrus Pro 200D

- Cloud Chamber Detection Principle
- Upto 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



UL/FM

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

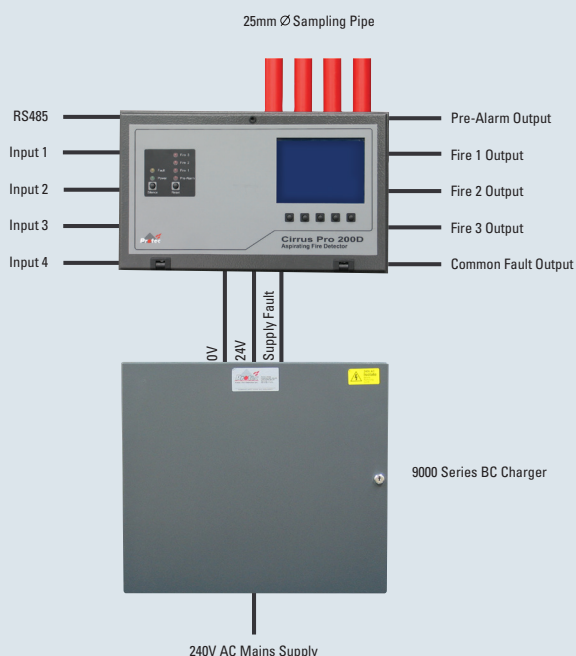
High Sensitivity Applications include:- Computer Rooms, Clean Rooms, Control Rooms, Data Centres, Valve Halls, Archive Storage, Anechoic Chambers, EDP areas.

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

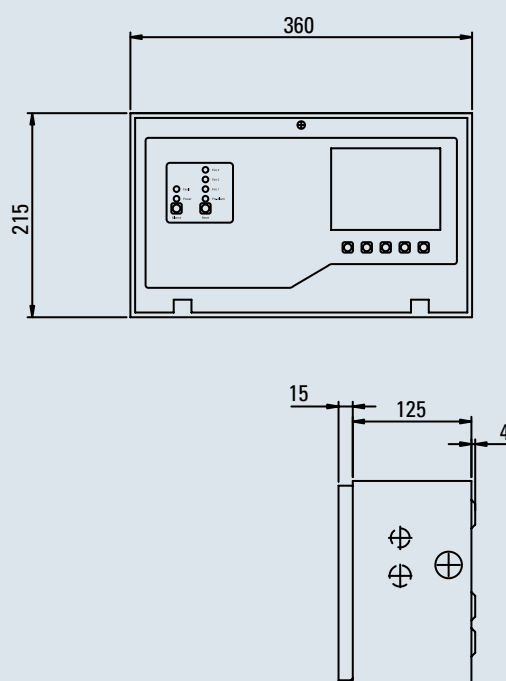
Harsh Environment Applications include:- Cold Storage Facilities, Specialist Production Facilities, Food Industry Facilities, Paper Production Facilities, Transportation Terminals, Flight Simulators, Aircraft Hangers, Prisons, Inaccessible Voids, Dirty Warehouses.

Technical Specification

Connections



Dimensions (mm)



Technical Specification:

Supply Voltage	20 - 29VDC
Power Consumption	10 watts quiescent
Current Consumption	416mA quiescent 585mA alarm
Dimensions	(W) 360mm, (H) 215mm (D) 144mm
Weight	5kg (11lbs)
Operating Conditions	
Detector Ambient Tested to	0°C to 38°C (32°F to 100°F)
Sampled Air	0°C to 55°C (32°F to 131°F)
Humidity	-20°C to 60°C (-4°F to 140°F)
IP Rating	10 - 95%RH, non-condensing
IP Rating	IP30
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.

Alarm Indications	Pre-alarm, Fire 1, Fire 2, Fire 3.
Programmable Inputs	4 monitored inputs that may be configured for Isolate, Reset, Disable, Fault, Gain Set, Battery Fault and Mains Fault.
Programmable Output Relays	5 Relays rated 1A @ 30VDC (Volt-free change over contacts)
Event Log	128 events stored on FIFO basis
Data Retention	Approx 10 day historical graph.
Variable Sensitivity Settings	7 day programmable settings with 3 time zones per day.
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.
Airflow Monitoring	High Airflow' and 'Low Airflow' fault monitoring.