

Cirrus CCD™

Early Warning Air Sampling Fire Detector

Data Sheet

Part Number: 61986C4S

Features

- The only 'Cloud Chamber' based Air Sampling Fire Detector available
- Resistant to unwanted alarms from dust, humidity & temperature changes
- Programmable 'Pre-alarm' warning
- 3 x Programmable 'Fire' alarm warnings (Fire 1, Fire 2 & Fire 3)
- Widest sensitivity range
- Full Airflow Monitoring
- 7" full colour multi-function touch screen LCD display
- Live camera stream from up to 6 IP color cameras
- In-built IP interface

Description

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

For over 30 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 CCD Detectors have a vast sensitivity range capable of being even more sensitive than previous versions.

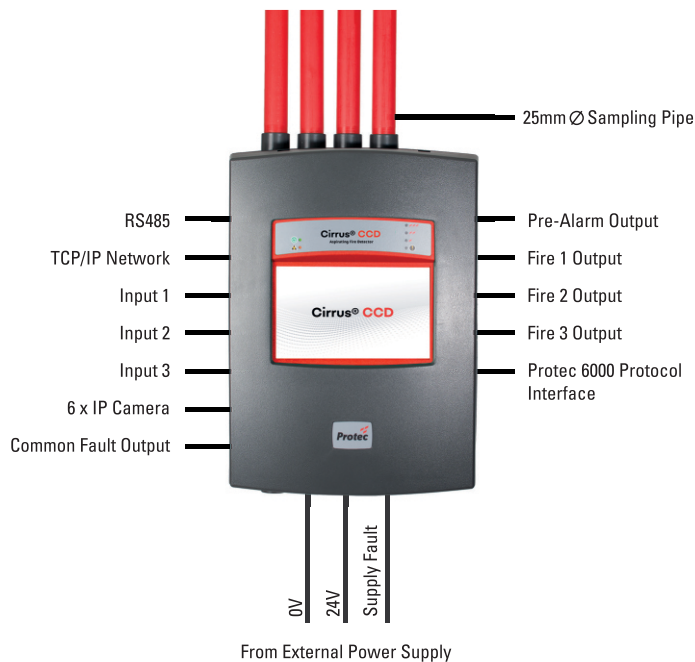
Cirrus CCD detectors can be installed in dusty, humid and high & low temperature applications. In these harsh environment applications design and installation consideration must be given to the complete installation to ensure the sampling pipes, sampling holes and detector remain operational.



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Connections



Supply Voltage	20 - 29VDC	Pipe ID	19mm to 25mm (preferred OD 25mm)
Power Consumption	16.8 watts quiescent (24VDC 100% Fan Speed)	Alarm Indications	Pre-alarm, Fire 1, Fire 2, Fire 3
Current Consumption	500mA with blower @ 30% 700mA with blower @ 100%	Other Indications	Supply Healthy, General Fault
Operating Conditions		Sensitivity Range	10,000 PCC to 10 million PCC
Detector Ambient Tested to	0°C to 38°C (32°F to 100°F)	Programmable Inputs	3 monitored inputs that may be configured for Isolate, Reset, Silence, Day/Night, Battery Fault and Mains Fault
Sampled Air	0°C to 55°C (32°F to 131°F)	Programmable Output Relays	5 Relays rated 1A @ 30VDC (Volt-free change over contacts)
Humidity	-20°C to 60°C (-4°F to 140°F)	Camera Inputs	6 x Protec specified IP cameras
IP Rating	10 - 95%RH, non-condensing	Event Log / Data Retention	24,000 events stored on FIFO basis (alarms, actions, faults and data points) (Approx 30 day historical graph data)
IP Rating	IP30	Variable Sensitivity Settings	7 day programmable settings with 2 time zones per day. Day-time/Night-time setting
Cable Access	10 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)	Weight	3.5kg (7.7lbs)
Sampling Network	Four inlet ports with combined sampling pipe length up to 630m (2,066ft) all sampling pipe operational parameters to be verified using 'ProFlow' sampling pipe calculation program. Maximum transport time = 120 seconds.	Dimensions (mm)	380(H) x 250(W) x 137(D)



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