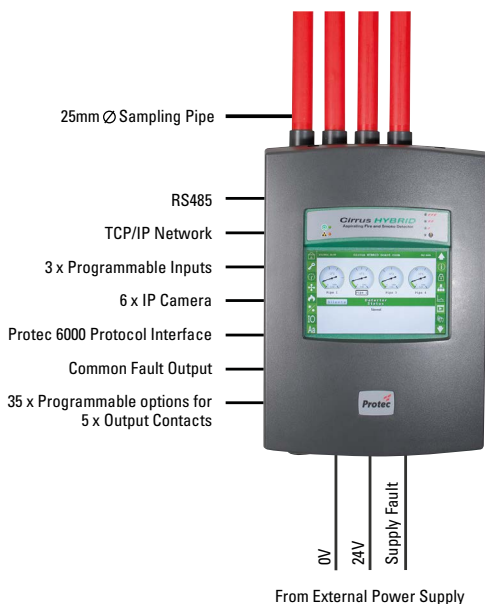


Technical Specification



Supply Voltage	20 - 29VDC	Programmable Inputs	3 monitored inputs that may be configured for Isolate, Reset, Silence, Day/Night, Battery Fault and Mains Fault
Power Consumption	16.8 watts quiescent (24VDC 100% Fan Speed)	Programmable Output Relays	5 Relays rated 1A @ 30VDC (Volt-free change over contacts)
Current Consumption	500mA with blower @ 30% 700mA with blower @ 100%	Event Log / Data Retention	24,000 events stored on FIFO basis (alarms, actions, faults and data points) (Approx 30 day historical graph data)
Operating Conditions		Variable Sensitivity Settings	7 day programmable settings with 2 time zones per day. Day-time/Night-time setting
Detector Ambient Tested to	0°C to 38°C (32°F to 100°F)	EN54 & AS7240 Approved Sensitivity Settings	Class A - 34 holes @ 200CFS (non-scanner) Class B - 44 holes @ 400CFS (non-scanner) Class C - 44 holes @ 600CFS (non-scanner) Class A - 11 holes per pipe @ 200CFS (scanner) Class B - 22 holes per pipe @ 400CFS (scanner) Class C - 44 holes per pipe @ 600CFS (scanner)
Sampled Air Humidity	-20°C to 60°C (-4°F to 140°F)	Airflow Monitoring	'High Airflow' and 'Low Airflow' fault monitoring.
IP Rating	IP30	Weight	3.5kg (7.7lbs)
Sampling Network	Up to four inlet ports. Maximum pipe lengths specific to each individual design. All designs to be verified by 'ProFlow' sampling pipe calculation program. Maximum transport time 120 seconds.	Dimensions (mm)	380(H) x 250(W) x 137(D)
Pipe ID	19mm to 25mm (preferred OD 25mm)	Relevant Standard	EN54 Part 17 & 20, AS 7240 Part 20
Alarm Indications	Pre-alarm, Fire 1, Fire 2, Fire 3		
Other Indications	Supply Healthy, General Fault		
Sensitivity Range	10,000 PCC to 10 million PCC, 0-1000CFS (Combined Fire & Smoke scale)		

Connections



Application Guide

Class A - High Sensitivity Applications include:- Computer rooms, Cleanrooms, Data Centres, Control Rooms, Valve Halls, Archive Storage, Anechoic Chambers & EDP areas.

Class B - Enhanced Sensitivity Applications include:- Historic Buildings, Museums, Hospitals, Airports, Cathedrals, Theatres, Art Galleries, Clean Warehouses, Atria & Indoor Stadiums.

Class C - Normal Sensitivity and Harsh Environment Applications include:- Cold Storage Facilities, Specialist Production Facilities, Food Processing Areas, Paper Production Facilities, Transportation Terminals, Inaccessible Voids & General Warehousing.

Product Codes

HYBRID 1 Pipe	61-986-H1		
HYBRID 2 Pipe	61-986-H2	HYBRID 2 Pipe Scanner	61-986-H2S
HYBRID 3 Pipe	61-986-H3	HYBRID 3 Pipe Scanner	61-986-H3S
HYBRID 4 Pipe	61-986-H4	HYBRID 4 Pipe Scanner	61-986-H4S

Note: Non-scanning detectors (standard detectors) - can have up to four sampling pipes which share a common Cloud Chamber to provide fire particle detection. Each pipe inlet is provided with an individual Scatter Chamber Detector to provide optical smoke particle detection. This does not provide individual pipe identification of the Combined Fire & Smoke signals.

Scanning detectors - can have up to four sampling pipes. The air entering each pipe inlet is direct through the Cloud Chamber to provide fire particle detection and an individual Scatter Chamber Detector to provide optical smoke particle detection. This provides individual pipe identification of the Combined Fire & Smoke signals.

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

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