

ProPoint PLUS Detector



The ProPoint PLUS aspirating detection system is highly advanced and reliable. It can detect up to four different pipes per aspirator, each with its own identifiable Scatter Chamber Detector (SCD) module to detect smoke at the earliest possible stage.

Standards / Approvals

- EN 54-17, EN 54-20
- AS 7240-20
- UKCA
- CE

Technical Specification

	ProPoint PLUS OPCO	ProPoint PLUS OP4S
Supply Voltage	21 - 28VDC	
Current Consumption @ 24VDC, 100% Fan 4 pipe	580mA quiescent 620mA alarm	
Temperature Range Tested to EN54-20	-10°C to 55°C (32°F to 131°F)	
Application Sampled Air Temperature	-20°C to 60°C (-4°F to 140°F)	
Humidity	10 - 93%RH (no icing / non-condensing)	
IP Rating	IP30	
Cable access	10 x 20mm knock outs	
Cable Termination	Screw terminal blocks (0.2 - 2.5mm ² , 30 - 12AWG)	
Pipe Outer Diameter	25mm, push to fit tapered inlet	
Alarm Indications	Pre-alarm, Fire	Pre-alarm, Fire 1, Fire 2, Fire 3
Other Indications	Supply Healthy, General Fault, OLED Display with four navigation buttons	
Fault Contact	Rated at 30VDC 1A maximum [Normally closed]	
Programmable Output Contacts	5 contacts rated 30VDC 1A [Volt-free change over contacts with 28 programming options]	
Programmable Inputs	3 monitored inputs that may be configured for Isolate, Reset, Silence, Battery Fault and Mains Fault	
Event Log / Data Retention	24,000 events stored on FIFO basis (alarms, actions, faults and data points) (Approx 30 day historical graph data)	
Sensitivity Range	Optical Detection Range: 0.12%obs/m to 11%obs/m	Optical Detection Range: 0.02%obs/m to 6.0%obs/m
	Carbon Monoxide Detection Range: 1 to 150 ppm	Hole Sensitivity Range: 0.5%obs/m to 6.0%obs/m

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Technical Specifications Continued

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Threshold Settings Recommended Maximum	Class A – 3 holes per pipe @ A1 to A3 Class B – 5 holes per pipe @ B1 to B5 Class C – 8 holes per pipe @ C1 to C8	Class A – 15 holes per pipe @ Alarm Level 1%obs/m Class B – 15 holes per pipe @ Alarm Level 2%obs/m Class C – 15 holes per pipe @ Alarm Level 4%obs/m
Threshold Settings Compliant Maximum EN 54-20	Class C Escalator Mode – 8 holes per pipe @ ESC1 to ESC8 Class C Prison Mode – PR2 using Sample Head (61-988-00)	Class A – 15 holes per pipe @ Alarm Level 1.1%obs/m Class B – 15 holes per pipe @ Alarm Level 3.2%obs/m Class C – 15 holes per pipe @ Alarm Level 11.5%obs/m
Sampling Pipe Network	Number of inlet ports: Up to four Pipe Network Design Tool: ProFlow Maximum pipe length: Specific to individual design. To be compliant to local design codes, and verified by ProFlow.	
Airflow Monitoring	'High Airflow' and 'Low Airflow' fault monitoring	
Weight	3kg (6.6lbs)	
Dimensions (mm)	380(H) x 250(W) x 137(D)	

Application Guide

Class A - High Sensitivity Applications include: - Computer rooms, Cleanrooms, Data Centres, Control Rooms, Archive Storage, EDP areas and areas where very high sensitivity is required.

Class B - Enhanced Sensitivity Applications include: - Historic Buildings, Museums, Hospitals, Airports, Cathedrals, Theatres, Art Galleries, Clean Warehouses, Atria, Wind Turbines, Power and Control Cabinets.

Class C - Normal Sensitivity and Harsh Environment Applications include: - Cold Storage Facilities, Specialist Production Facilities, Transportation Terminals, Lift Shafts, Escalators/Travelators, Prison/Police Cells and alternative applications to point type smoke detection.

Product Codes

ProPoint PLUS OPCO - 1 Pipe	61-986-106	ProPoint PLUS OP4S - 1 Pipe	61-986-106-OP4S
ProPoint PLUS OPCO - 2 Pipe	61-986-103	ProPoint PLUS OP4S - 2 Pipe	61-986-103-OP4S
ProPoint PLUS OPCO - 3 Pipe	61-986-105	ProPoint PLUS OP4S - 3 Pipe	61-986-105-OP4S
ProPoint PLUS OPCO - 4 Pipe	61-986-104	ProPoint PLUS OP4S - 4 Pipe	61-986-104-OP4S

Data within this document are subject to change without notice.

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