

ProPointPlus™

Early Warning Aspirating Fire Detector

Data Sheet

Part Number: 6198612

Features

- 1 - 4 Individual detectors per aspirator (providing up to 4 separately identifiable areas)
- High performance optical 'Scatter Chamber Detectors' (SCD)

(or)
- High performance optical 'Scatter Chamber Detectors' (SCD) WITH enhanced CO detection
- Multiple language, multi-function LCD display
- Simple install and commission process generally without the need for a laptop connection
- Simple Class A, Class B, Class C and Prison sensitivity configuration set up
- Inbuilt algorithm to reduce unwanted alarms
- Airflow monitoring per pipe
- Approved to EN54-20 & AS 7240-20



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Description

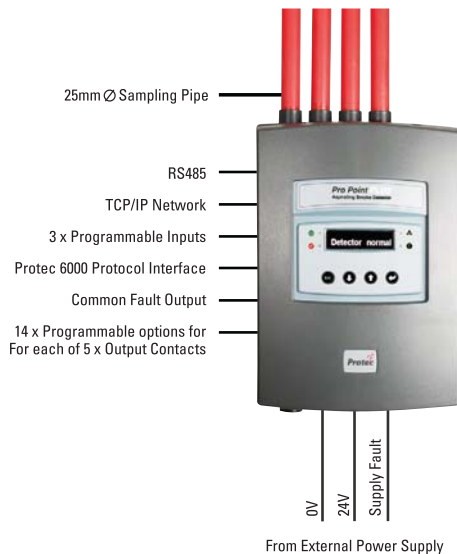
Aspirating detection is now a recognised solution for many different fire detection applications. ProPointPlus provides up to four separate detectors within a common aspirator enclosure and therefore provides four individually identifiable areas of detection per aspirator. Each of the four plug-in 'Scatter Chamber Detectors' (SCD)'s detector modules can be either 'optical' only or combined 'optical/enhanced CO' detectors, the CO sensor is only suitable for small room applications. Independent and integrated alarm decision making through the use of complex algorithms extend the range of particle detection, confirm genuine alarms and reduce unwanted alarms. Installation, configuration and commissioning of ProPointPlus detectors is very simple and installer friendly. Configuration to either Class A, Class B or Class C sensitivity options is achieved through a multi-language, multi-function

LCD display generally without the need for a laptop connection. Detector set up allows the installer to configure the detector sensitivity to an equivalent setting, as a known number of point type smoke detectors for each Class A, Class B and Class C system. This ensures the system specifier, designer, installer and commissioning engineer configure the ProPointPlus SCD's to the correct sensitivity for the particular application. Aspirator fan speed and airflow configuration is also a very simple process allowing ProPointPlus aspirating detectors to be installed in a variety of applications with short and relatively long pipe runs.

Supply Voltage	21 - 29VDC
Power Consumption	9.6 watts quiescent (24VDC 100% Fan Speed)
Current Consumption	300mA with blower @ 30% 400mA with blower @ 100%
Operating Conditions	
Detector Ambient Tested to	0°C to 38°C (32°F to 100°F)
Sampled Air Humidity	0°C to 55°C (32°F to 131°F)
	-20°C to 60°C (-4°F to 140°F)
IP Rating	10 - 95%RH, non-condensing
	IP30
Sampling Network	Four inlet ports with combined sampling pipe length up to 200m (750ft) subject to 'ProFlow' sampling pipe calculation program. Maximum transport time = 120 seconds.
Pipe ID	19mm to 25mm (preferred OD 25mm)
Alarm Indications	Pre-alarm warning and Fire per pipe
Other Indications	Supply Healthy, General Fault

Programmable Inputs	3 monitored inputs that may be configured for Isolate, Reset, Silence, Battery Fault and Mains Fault
Programmable Output Relays	5 Relays rated 1A @ 30VDC (Volt-free change over contacts)
Event Log / Data Retention	24,000 events stored on FIFO basis (alarms, actions, faults and data points) (Approx 30 day historical graph data)
EN54 & AS7240 Approved	Optical only SCD
Sensitivity Settings	Class A - 3 holes per detector (per pipe) Class B - 5 holes per detector (per pipe) Class C - 12 holes per detector (per pipe)
	Optical/Enhanced SCD
	Class A - 3 holes per detector (per pipe) Class B - 5 holes per detector (per pipe) Class C - 8 holes per detector (per pipe)
Airflow Monitoring	'High Airflow' and 'Low Airflow' fault monitoring.
Weight	3kg (6.6lbs)
Dimensions (mm)	380(H) x 250(W) x 137(D)
Relevant Standard	EN54 Part 17 & 20, AS 7240 Part 20

Connections



Application Guide

Class A - High Sensitivity Applications include:-

Small Computer Rooms, Cleanrooms, Data Centres, Control Rooms, Archive Storage & EDP areas

Class B - Enhanced Sensitivity Applications include:-

Small Historic Buildings, Museums, Theatres, Galleries, High Ceiling Areas, Small Clean Warehouses & Small Atria Areas

Class C - Normal Sensitivity and Harsh Environment Applications include:-

Lift/Elevator Shafts, Small Cold Storage Facilities, Clean Warehouses, Atria, Inaccessible Voids & Up to 4 x separately identifiable Prison Cells per aspirator.

Product Codes

1 Pipe OP/CO	61-986-106	1 Pipe OP only	61-986-106-OP
2 Pipe OP/CO	61-986-103	2 Pipe OP only	61-986-103-OP
3 Pipe OP/CO	61-986-105	3 Pipe OP only	61-986-105-OP
4 Pipe OP/CO	61-986-104	4 Pipe OP only	61-986-104-OP



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