TITANUS PRO·SENS

Features

- Robust & Efficient High Powered Light Source (HPLS) Detection Technology

- LOGIC·SENS Fire Pattern Recognition Technology

- Freezer Version Operates in -40Deg to +60DegC with No Heater Boxes Required

- A Powerful & Efficient Aspirator Allowing up to 560m of Pipework

- A BlowFree System for Programmed or Automated On-Demand Pipe Clearing

- Modular Plug In Detector Heads for a Customised & Cost Effective Solution & Maintenance

- Dual Detector Ability Allows Separate Monitoring & Reporting of Room & Equipment with One Unit

- Time Saving Installation & Commissioning Via Plug & Play Setup

- Large Capacity 3-Stage Filters with Selectable 1-15 Micron Ratings

- A Large Range of Fittings, Pipework and Sampling Points

- XP95 Interfacing to FireFinder™ and LoopSense™ Fire Control Panels

- FIP Bar Graph Display Module Available & SmartGraphics^HD Display Integration

- Cost Effective Solutions for Every Application Type

Figure 1: TITANUS PRO•SENS®

- TITANUS PRO•SENS® is available with an interface to suit a Conventional System, or an XP95 Addressable on FireFinder™ through to SmartGraphics^HD display system.

Description

- TITANUS PRO•SENS® is a universal air sampling device suitable for a broad range of applications. The high degree of modularity of the device makes it possible to achieve a costeffective solution – customised to suit the specific needs of the customer.

- An additional price advantage comes with the optional equipping of the device with a second detector module. The base PRO•SENS® unit with 2 detector heads fitted (TITANUS PRO•SENS® 2) can be used for separate zone detection of a room and its equipment, or configured as a

double knock tripping system. Each detector is completely separate, with no switching or leak between detection zones.

- Also, thanks to its powerful fan operating at up to 560Pa, pipe lengths up to 560m can be achieved with 2 detectors fitted.

Applications

The robust TITANUS PRO•SENS® offers an excellent solution for detection in areas where other types of smoke detection have long reached their limits. These include:

- ➢ IT Installations & Clean Rooms
- ➢ Warehouse, Transport & Logistics Centre
- ➢ Cold Storage Facilities
- ➢ Libraries & Museums
- ➢ Archival Storage Areas
- ➢ Production and Assembly Lines
- ➢ Hospitals, Hotel Rooms and Saunas
- ➢ Recycling areas
- ➢ Correctional Facilities
- ➢ Rail vehicles and tunnel

Specifications:

Detector Unit :	PRO·SENS®	PRO·SENS® 2
Number of Sensor Modules Fitted :	1	2
Max. Number of Sampling Holes :	32	64
Max. Total Pipe Length Capable :	300m*	560m*
Weight:	1460g	1560g
Current – Start Up Maximum:	300mA	320mA
Current - Quiescent (at 24 VDC)	200mA	220mA
Current - Alarm (at 24 VDC)	210mA	240mA
Operating Voltage:	VDC (14 - 30 VDC)	
Tapered Pipe Connectors:	x 25mm	2 x 25mm
Detector Dimensions (W x H x D) :	x 292 x 113mm	
Housing Colour:	RAL 9018, Papyrus White	
Cabinet Type, Rating :	ABS Plastics IP20 (Optional IP52)	
Temperature-Standard Version:	-20 °C to + 60 °C	
Temperature-DeepFreeze Version:	-40 °C to + 60 °C	
Humidity (Permanent)	10-95% Rel. Non-Condensing	
Cable Entries:	x M20, 2 x M25	
Sensor Head Sensitivities:	0.5%, 0.1% and 0.015%	
Interface Types	-XP95 Addressable Loop -Conventional Circuit -Relays	
Alarms	Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2	
Fault Signals	-Air Flow Low -Air Flow High -Processor/Hardware Fail -Ventilator Fail/Air Stabilising	
Alarm & Fault Relay (CLI Version)	1A, 30 VDC max.	
Clamped Connections	Max. 1.0 mm²	
Front Panel Control & Indications:	Collective Fault - Yellow Operational – Green APID & CLI Versions: Reset & Isolate Controls Detector Isolation – Yellow X 2	
Noise level	Standard & Freezer - 45 dB(A), Silent Version - 23dB(A)	
Event log	-Inbuilt, access thru Diag Tool -FireFinder Logging with APID	
Remote BarGraph Display:	Panel Mounted Display Module	