

Fire detection and evacuation solutions that save lives.

Titanus Pro•Sens®

- Robust and efficient high powered light source (HPLS) detection technology.
- 'Logic•Sens' fire pattern recognition technology.
- Freezer version operates in -40°C to +60°C with no heater boxes required.
- A powerful and efficient aspirator allowing up to 560m of pipework.
- A BlowFree system for programmed or automated ondemand pipe clearing.
- Modular plug in detector heads for a customized and cost effective solution and maintenance.
- Dual detector ability allows separate monitoring and reporting of room and equipment with 1 unit.
- Time saving installation and commissioning via plugand-play setup.
- Large capacity 3-stage filters with selectable 1-15 micron ratings.
- Range of fittings, pipework and sampling points.
- XP95 interfacing to FireFinder and LoopSense Fire Control Panels.
- FIP Bar Graph Display Module available and SmartGraphicsHD Display Integration.
- Cost effective solutions for every application type.

Product Overview

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 cost-effective 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.

Titanus Pro•Sens® is available with an interface to suit a Conventional System, or an XP95 Addressable on FireFinder through to SmartGraphicsHD display system.



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 and Clean Rooms.
- Warehouse, Transport and Logistics Centre.
- Cold Storage Facilities.
- Libraries and Museums.
- Archival Storage Areas.
- Production and Assembly Lines.
- Hospitals, Hotel Rooms and Saunas.
- Recycling Areas.
- Correctional Facilities.
- Rail Vehicles and Tunnels.

A **Halma** company



Fire detection and evacuation solutions that save lives.

Titanus Pro•Sens®

Pase Units - Detectors Fitted Nterface	Item Numbe	ers					
7010-1010 Pro•Sens® Base Unit-OEM RELAYS 7010-1020 Pro•Sens® Base Unit-OEM RELAYS 7010-1100 Pro•Sens® -40 Base Unit -APID XP95 7010-1110 Pro•Sens® -40 Base Unit-CLI CONV. 7010-1120 Pro•Sens® -40 Base Unit-OEM RELAYS Detector Unit-OEM RELAYS AD-10-5130 Pro•Sens® Detector 0.1% Pro•Sens® Detector Unit-OEM AD-10-5150 Pro•Sens® Detector 0.015% Pro•Sens® Detector Unit-OEM Pro•Sens® Detector Unit-OEM AD-10-5190 Pro•Sens® -40°C Detector Unit-OEM Detector Unit-OEM Pro•Sens® Detector Unit-OEM AD-10-5195 Pro•Sens® -40°C Detector Unit-OEM Detector Unit-OEM Detector Unit-OEM AD-10-5195 Pro•Sens® -40°C Detector Unit-OEM Detector Unit-OEM Detector Unit-OEM Detector Unit-OEM Detector Unit	Base Units – N	Interface					
7010-1020 Pro•Sens® Base Unit - APID XP95 7010-1100 Pro•Sens® -40 Base Unit - APID XP95 7010-1110 Pro•Sens® -40 Base Unit-CLI CONV. 7010-1120 Pro•Sens® -40 Base Unit-OEM RELAYS Detector Heads -20° (Standard) & -40° (Deep Freeze) AD-10-5130 Pro•Sens® Detector 0.5% Fro•Sens® Detector 0.1% AD-10-5115 Pro•Sens® Detector 0.015% Fro•Sens® Detector 0.5% AD-10-5190 Pro•Sens® -40°C Detector 0.5% Fro•Sens® -40°C Detector 0.1% AD-10-5190 Pro•Sens® -40°C Detector 0.1% Micron 15 AD-10-5191 Pro•Sens® -40°C Detector 0.1% Micron 15 AD-10-5193 Pro•Sens® -40°C Detector 0.1% Micron 15 AD-10-311 Wagner Filter Box LF-AD-	7010-1000	Pro∙Sens® Base Unit -APID			XP95		
7010-1100 Pro•Sens® -40 Base Unit -CLI CONV. 7010-1110 Pro•Sens® -40 Base Unit-CEM RELAYS Detector Heads -20° (Standard) & -40° (Deep Freeze) AD-10-5130 Pro•Sens® Detector 0.5% RELAYS AD-10-5100 Pro•Sens® Detector 0.1% Fro•Sens® Detector 0.015% AD-10-5115 Pro•Sens® Detector 0.015% Fro•Sens® Detector 0.015% AD-10-5190 Pro•Sens® -40°C Detector 0.1% Fro•Sens® -40°C Detector 0.015% AD-10-5195 Pro•Sens® -40°C Detector 0.015% Fro•Sens® -40°C Detector 0.015% Large Capacity External Filters 7010-0131 Wagner Filter Box LF-AD-E Micron 15 AD-10-0330 Wagner Filter Element LF-AD-E Micron 10 AD-10-0332 Wagner Filter Box LF-AD-1 Micron 5 AD-10-0333 Wagner Filter Box LF-AD-E Micron 5 AD-10-0330 Wagner Filter Element LF-AD-E Micron 5 AD-10-0133 Wagner Filter Element SF-400 Short Micron 1,Short AD-10-1930 *Wagner Filter Filter Element SF-400 Micron 1,Long AD-10-1920 *Wagner Filter Element SF-650 Long Micron 1,Long *Allows full flow right up until 100% Capacity. Special order only.	7010-1010	Pro∙Sens® Base Unit-CLI			CONV.		
7010-1110 Pro•Sens® -40 Base Unit-CLI CONV. 7010-1120 Pro•Sens® -40 Base Unit-CEM RELAYS Detector 10-19 Sector 0.0 Sec	7010-1020	Pro•Sens	s® Base Unit-O	EM	RELAYS		
T010-1120 Pro•Sens® -40 Base Unit -OEM RELAYS Detector Heads -20° (Standard) & -40° (Deep Freeze) AD-10-5130 Pro•Sens® Detector 0.5% LaD-10-5100 AD-10-5115 Pro•Sens® Detector 0.015% LaD-10-5200 AD-10-5190 Pro•Sens® -40°C Detector 0.1% AD-10-5196 AD-10-5195 Pro•Sens® -40°C Detector 0.015% Micron 15 AD-10-0331 Wagner Filter Box LF-AD — Micron 15 AD-10-0332 Wagner Filter Element LF-AD-ES Micron 10 AD-10-0332 Wagner Filter Pipe SF-400 Short Micron 1,Short AD-10-1930 *Wagner Filter Element SF-400 Micron 1,Short AD-10-1930 *Wagner Filter Element SF-650 Long Micron 1,Long *AD-10-1920 *Wagner Filter Element SF-650 Micron 1,Long <tr< td=""><td>7010-1100</td><td>Pro•Sens</td><td>s® -40 Base Un</td><td>it -APID</td><td>XP95</td></tr<>	7010-1100	Pro•Sens	s® -40 Base Un	it -APID	XP95		
Detector Heads -20° (Standard) & -40° (Deep Freeze) AD-10-5130 Pro•Sens® Detector 0.5% AD-10-5100 Pro•Sens® Detector 0.1% AD-10-5115 Pro•Sens® Detector 0.015% AD-10-5200 Pro•Sens® -40°C Detector 0.5% AD-10-5190 Pro•Sens® -40°C Detector 0.1% AD-10-5195 Pro•Sens® -40°C Detector 0.015% Large Capacity External Filters 7010-0131 Wagner Filter Box LF-AD Micron 15 AD-10-0330 Wagner Filter Box LF-AD-E Micron 10 AD-10-0332 Wagner Filter Element LF-AD-ES Micron 10 AD-10-0333 Wagner Filter Box LF-AD-2 Micron 5 AD-10-0332 Wagner Filter Element LF-AD-E2 Micron 5 AD-10-2010 *Wagner Filter Pipe SF-400 Short Micron 1,Short AD-10-1930 *Wagner Filter Element SF-400 Micron 1,Long AD-10-1920 *Wagner Filter Element SF-650 Long Micron 1,Long *Allows full flow right up until 100% Capacity. Special order only. Tools AD-05-0563 Wagner B Diagnostics Tool - Diag 3/A PSU's 4510-	7010-1110	Pro•Sens	s® -40 Base Un	it-CLI	CONV.		
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AD-10-5100 Pro•Sens® Detector 0.1	Detector Heads -20° (Standard) & -40° (Deep Freeze)						
AD-10-5115	AD-10-5130	Pro•Sens® Detector 0.5%					
AD-10-5200 Pro•Sens® -40°C Detector 0.5% AD-10-5190 Pro•Sens® -40°C Detector 0.1% AD-10-5195 Pro•Sens® -40°C Detector 0.015% Large Capacity External Filters 7010-0131 Wagner Filter Box LF-AD Micron 15 AD-10-0330 Wagner Filter Box LF-AD-E Micron 15 7010-0132 Wagner Filter Box LF-AD-1 Micron 10 AD-10-0335 Wagner Filter Element LF-AD-ES Micron 10 7010-0133 Wagner Filter Box LF-AD-2 Micron 5 AD-10-0332 Wagner Filter Box LF-AD-2 Micron 5 AD-10-0332 Wagner Filter Element LF-AD-E2 Micron 5 AD-10-2010 *Wagner Filter Pipe SF-400 Short Micron 1,Short AD-10-1930 *Wagner Filter Pipe SF-400 Short Micron 1,Short AD-10-1930 *Wagner Filter Pipe SF-650 Long Micron 1,Long AD-10-1920 *Wagner Filter Element SF-650 Micron 1,Long *Allows full flow right up until 100% Capacity. Special order only. Tools AD-05-0563 Wagner USB Diagnostics Tool - Diag 3/A PSU's 4510-2110 4510- A510-2310 1 x Pro•Sens® @ 6.9V 7A/H 7A/H 7A/H 1 x Pro•Sens® @ 9.0V 12A/H	AD-10-5100	Pro•Sens® Detector 0.1%					
AD-10-5190 Pro•Sens® -40°C Detector 0.1% Large Capacity External Filters 7010-0131 Wagner Filter Box LF-AD Micron 15 AD-10-0330 Wagner Filter Element LF-AD-E Micron 10 AD-10-0132 Wagner Filter Box LF-AD-1 Micron 10 AD-10-0335 Wagner Filter Element LF-AD-ES Micron 10 7010-0133 Wagner Filter Box LF-AD-2 Micron 5 AD-10-0332 Wagner Filter Element LF-AD-E2 Micron 5 AD-10-2010 *Wagner Filter Pipe SF-400 Short Micron 1,Short AD-10-1930 *Wagner Filter Element SF-400 Micron 1,Short AD-10-1940 *Wagner Filter Pipe SF-650 Long Micron 1,Long AD-10-1920 *Wagner Filter Element SF-650 Micron 1,Long *Allows full flow right up until 100% Capacity. Special order only. Tools AD-05-0563 Wagner USB Diagnostics Tool - Diag 3/A PSU's 4510-2110 4510- 4510-2310 1 x Pro•Sens® @ 6.9V 7A/H 7A/H 7A/H 1 x Pro•Sens® @ 9.0V - - 12A/H	AD-10-5115	Pro•Sens® Detector 0.015%					
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Tools AD-05-0563 Wagner USB Diagnostics Tool - Diag 3/A PSU's 4510-2110 4510- 1 x Pro•Sens® 6.9V 7A/H 7A/H 7A/H 1 x Pro•Sens® 9.0V 12A/H	AD-10-1920	AD-10-1920 *Wagner Filter Element SF-650 Micron 1,Long					
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PSU's 4510-2110 4510- 4510-2310 1 x Pro•Sens® @ 6.9V 7A/H 7A/H 7A/H 1 x Pro•Sens® @ 9.0V - - 12A/H	Tools						
4510-2110 4510- 4510-2310 1 x Pro•Sens® @ 6.9V 7A/H 7A/H 7A/H 1 x Pro•Sens® @ 9.0V 12A/H	AD-05-0563 Wagner USB Diagnostics Tool - Diag 3/A						
1 x Pro•Sens® @ 6.9V 7A/H 7A/H 7A/H 1 x Pro•Sens® @ 9.0V 12A/H	PSU's						
1 x Pro•Sens® @ 9.0V 12A/H			4510-2110	4510-	4510-2310		
	1 x Pro∙Sens® @ 6.9V		7A/H	7A/H	7A/H		
2 x Pro•Sens® @ 6.9V 12A/H	1 x Pro∙Sens® @ 9.0V		-	-	12A/H		
	2 x Pro∙Sens®	@ 6.9V	-	-	12A/H		

Specifications Pro Sens® Pro Sens® 2 Number of Sensor Modules Fitted 1 2 Max. Number of Sampling Holes 32 64 Max. Total Pipe Length Capable 300 m* 560 m* Weight 1460 g 1560 g Current - Start Up Maximum 300 Ma 320 mA Current - Quiescent (at 24 V DC) 210 mA 240 mA Current - Alarm (at 24 V DC) 210 mA 240 mA Operating Voltage 24 V DC (14 - 30 V DC) 13 mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics Betector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics Processor Betector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics Processor Betect Pipe Rating 1-20 °C to + 60 °C Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze -40 °C to + 60 °C V				
Number of Sensor Modules Fitted 1 2 Max. Number of Sampling Holes 32 64 Max. Total Pipe Length Capable 300 m* 560 m* Weight 1460 g 1560 g Current – Start Up Maximum 300 Ma 320 mA Current - Alarm (at 24 V DC) 210 mA 240 mA Operating Voltage 24 V DC (14 - 30 V DC) Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics Papered Pipe Connectors Cabinet Type, Rating IP20 (Optional IP52) Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze -40 °C to + 60 °C Version 5 x M20, 2 x M25 Sensor Head Sensitivities 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% Alarms Alarms Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Alarms Alar Flow Low Fault Signals In A, 30 VDC max.	Specifications			
Fitted 1 2 Max. Number of Sampling Holes 32 64 Max. Total Pipe Length Capable 300 m* 560 m* Weight 1460 g 1560 g Current – Start Up Maximum 300 Ma 320 mA Current - Quiescent (at 24 V DC) 200 mA 220 mA Current - Alarm (at 24 V DC) 210 mA 240 mA Operating Voltage 24 V DC (14 - 30 V DC) Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics Housing Colour ABS Plastics Papyrus White Cabinet Type, Rating IP20 (Optional IP52) Promerature - Standard Version -20 °C to + 60 °C Promerature - Standard Version Promerature - Standard Version -20 °C to + 60 °C Promerature - Standard Version Promerature - Standard Version -20 °C to + 60 °C Promerature - Standard Version Promerature - Standard Version Promerature - Standard Version Promerature - Standard Version - Condensing Promerature - Standard Version - Condensing Promerature - Standard Version - Standard Version Promerature - Standard Version - Sta	Detector Unit	Pro•Sens®	Pro∙Sens® 2	
Max. Total Pipe Length Capable 300 m* 560 m* Weight 1460 g 1560 g Current – Start Up Maximum 300 Ma 320 mA Current – Quiescent (at 24 V DC) 200 mA 220 mA Current – Alarm (at 24 V DC) 210 mA 240 mA Operating Voltage 24 V DC (14 - 30 V DC) Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics RAL 9018, Papyrus White Cabinet Type, Rating ABS Plastics IP20 (Optional IP52) Image: Papyrus White Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze Version -40 °C to + 60 °C Version S x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays XP95 Addressable Loop Conventional Circuit Relays Alarms 4 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 Versions: Reset & Isolate Controls Detector Isolation		1	2	
Weight 1460 g 1560 g Current - Start Up Maximum 300 Ma 320 mA Current - Quiescent (at 24 V DC) 200 mA 220 mA Current - Alarm (at 24 V DC) 210 mA 240 mA Operating Voltage 24 V DC (14 - 30 V DC) Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics IP20 (Optional IP52) Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze Version -40 °C to + 60 °C Temperature - DeepFreeze Version 5 x M20, 2 x M25 Sensor Head Sensitivities 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) Clamped Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Max. Number of Sampling Holes	32	64	
Current – Start Up Maximum 300 Ma 320 mA Current - Quiescent (at 24 V DC) 200 mA 220 mA Current - Alarm (at 24 V DC) 210 mA 240 mA Operating Voltage 24 V DC (14 - 30 V DC) Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics IP20 (Optional IP52) Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze Version 10-95% Rel. Non-Condensing Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm 2 Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm 2 Alarm & Fault Relay (CLI Version) Clamped Connections Max. 1.0 mm² Front Panel Control & Indications Front Panel Control & Indications Processor/Hardware Fail Vertional – 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	Max. Total Pipe Length Capable	300 m*	560 m*	
Current - Quiescent (at 24 V DC) 200 mA 220 mA Current - Alarm (at 24 V DC) 210 mA 240 mA Operating Voltage 24 V DC (14 - 30 V DC) Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics Cabinet Type, Rating IP20 (Optional IP52) Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze Version 10-95% Rel. Non-Condensing Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 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 Reset & Isolate Controls Detector Isolation - Yellow X 2 Noise Level Standard & Freezer - 45 dB(A), Silent Version - 23dB(A) Event Log Inbut and Display Module Panel Mounted Display Module	Weight	1460 g	1560 g	
Current - Alarm (at 24 V DC) 210 mA 240 mA Operating Voltage 24 V DC (14 - 30 V DC) Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics Cabinet Type, Rating IP20 (Optional IP52) Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze Version 10-95% Rel. Non-Condensing Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) 1A, 30 VDC max. Calmed Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Current – Start Up Maximum	300 Ma	320 mA	
Operating Voltage 24 V DC (14 - 30 V DC) Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics IP20 (Optional IP52) Temperature - Standard Version -20 °C to +60 °C Temperature - DeepFreeze Version 10-95% Rel. Non-Condensing Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low 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 Collective Fault - Yellow Operational - Green APID & CLI Versions: Reset & Isolate Controls Detector Isolation - Yellow X 2 Noise Level 5tandard & Freezer - 45 dB(A), Silent Version - 23dB(A) Event Log Remote BarGraph Display Panel Mounted Display Module	Current - Quiescent (at 24 V DC)	200 mA	220 mA	
Tapered Pipe Connectors 1 x 25mm 2 x 25mm Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White ABS Plastics Cabinet Type, Rating IP20 (Optional IP52) Temperature - Standard Version -20 °C to +60 °C Temperature - DeepFreeze Version 10-95% Rel. Non-Condensing Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 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 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 Remote BarGraph Display Panel Mounted Display Module	Current - Alarm (at 24 V DC)	210 mA	240 mA	
Detector Dimensions W 200 x H 292 x D 113mm Housing Colour RAL 9018, Papyrus White Cabinet Type, Rating IP20 (Optional IP52) Temperature - Standard Version -20 °C to +60 °C Temperature - DeepFreeze Version 10-95% Rel. Non-Condensing Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 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 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 Remote BarGraph Display Panel Mounted Display Module	Operating Voltage	24 V DC (14 - 30 V DC)		
Housing Colour RAL 9018, Papyrus White ABS Plastics IP20 (Optional IP52) Temperature - Standard Version -20 °C to +60 °C Temperature - DeepFreeze Version Humidity (Permanent) Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) Clamped Connections Max. 1.0 mm² 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) Silent Version - 23dB(A) Event Log Remote BarGraph Display Panel Mounted Display Module	Tapered Pipe Connectors	1 x 25mm	2 x 25mm	
Cabinet Type, Rating Rabs Plastics IP20 (Optional IP52) Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze Version Humidity (Permanent) Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms Air Flow Low Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) Calmped Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Detector Dimensions	W 200 x H 292 x D 113mm		
Cabinet Type, Rating IP20 (Optional IP52) Temperature - Standard Version -20 °C to +60 °C Temperature - DeepFreeze version Humidity (Permanent) 10-95% Rel. Non-Condensing Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) Clamped Connections Max. 1.0 mm² Front Panel Control & Indications Perset & 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	Housing Colour			
Temperature - Standard Version -20 °C to + 60 °C Temperature - DeepFreeze Version -40 °C to + 60 °C Temperature - DeepFreeze Version -40 °C to + 60 °C Humidity (Permanent) 10-95% Rel. Non-Condensing Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 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 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	Cabinat Type Pating	ABS Plastics		
Temperature - DeepFreeze Version Humidity (Permanent) Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) Clamped Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Cabinet Type, Rating	IP20 (Optional IP52)		
Version Humidity (Permanent) Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) Clamped Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Temperature - Standard Version	-20 °C to + 60 °C	С	
Cable Entries 5 x M20, 2 x M25 Sensor Head Sensitivities 0.5%, 0.1% and 0.015% Interface Types XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 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	·	-40 °C to + 60 °C		
Sensor Head Sensitivities 0.5%, 0.1% and 0.015% XP95 Addressable Loop Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) Clamped Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Humidity (Permanent)	10-95% Rel. Non-Condensing		
Interface Types XP95 Addressable Loop Conventional Circuit Relays 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) 1A, 30 VDC max. 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 Remote BarGraph Display Panel Mounted Display Module	Cable Entries	5 x M20, 2 x M25		
Interface Types Conventional Circuit Relays Alarms 4 Adjustable Threshold Levels: Alert, PreAlarm, Alarm & Alarm2 Air Flow Low Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) Clamped Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Sensor Head Sensitivities	0.5%, 0.1% and 0.015%		
Alarms Alert, PreAlarm, Alarm & Alarm2 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 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 Remote BarGraph Display Panel Mounted Display Module	Interface Types	Conventional Circuit		
Fault Signals Air Flow High Processor/Hardware Fail Ventilator Fail/Air Stabilising Alarm & Fault Relay (CLI Version) I A, 30 VDC max. Clamped Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Alarms	*		
Version) Clamped Connections Max. 1.0 mm² 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 Remote BarGraph Display Panel Mounted Display Module	Fault Signals	Air Flow High Processor/Hardware Fail		
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		1A, 30 VDC max.		
Front Panel Control & Indications 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	Clamped Connections	Max. 1.0 mm ²		
Noise Level Silent Version - 23dB(A) Event Log Inbuilt, access thru Diag Tool FireFinder Logging with APID Remote BarGraph Display Panel Mounted Display Module	Front Panel Control & Indications	Operational – Green APID & CLI Versions: Reset & Isolate Controls		
Remote BarGraph Display FireFinder Logging with APID Panel Mounted Display Module	Noise Level			
	Event Log			
*The maximum permissible length is pipe branch shape dependant.	Remote BarGraph Display	Panel Mounted I	Display Module	

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