FEATURES

- ✓ One or four pipe models available
- ✓ Flair detection technology delivers reliable very early warning in a wide range of environments with minimal nuisance alarms
- ✓ Multi stage filtration and optical protection with clean air barriers ensures lifetime detection performance
- ✓ Four alarm levels and a wide sensitivity range deliver optimum protection for the widest range of applications
- ✓ Intuitive LCD icon display provides instant status information for immediate response
- ✓ Flow fault thresholds per port accommodate varying airflow conditions
- ✓ Extensive event log (20,000 events) for event analysis and system diagnostics
- ✓ AutoLearn™ smoke and flow for reliable and rapid commissioning
- ✓ Ethernet for connectivity with Xtralis software for configuration, monitoring and maintenance

PRODUCT DESCRIPTION

The VESDA-E VEP series of smoke detectors bring the latest and most advanced detection technology to provide very early warning and the best nuisance alarm rejection to a wide range of applications. Built on the Flair detection technology and years of application experience, VEP detectors deliver absolute calibration for lifetime performance and a range of revolutionary new features that deliver user value.

Flair Detection Technology:
Flair is the revolutionary new detection chamber that forms the core of VESDA-E VEP, providing better detection, fewer nuisance alarms, higher stability, increased longevity and particle characterization. Direct imaging of the sampled particles using a CMOS imager combined with multiple photo-diodes allow vastly more data that can be used to derive actionable information about the observed particles using analytics.

Installation, Commissioning and Operation:
VESDA-E VEP is equipped with a powerful aspirator that provides a total pipe length of 560m. Out of box operation is made possible with AutoConfig which allows airflow normalization and AutoLearn Smoke and Flow to be initiated within the detector.

Ethernet and WiFi connectivity
VESDA-E detectors offer Ethernet and WiFi connectivity as standard features. The detector can be added to a corporate network, allowing WiFi enabled tablet devices and PC's installed with Xtralis monitoring and configuration software to connect wirelessly to the detector via the network.

Backward Compatibility
VESDA-E VEP is fully compatible with existing VESDA installations.

TECHNICAL SPECIFICATIONS

Supply Voltage	18 to 30Vdc (24 V Nominal)				
Power Consumption @ 24Vdc	**VEP-A00-1P**	**VEP-A00P**		**VEP-A10-P**	
Aspirator Setting	Fixed	1	5	1	5
Power (Quiescent)	8.8W	7.0W	8.8W	8.2W	10.0W
Power (In Alarm)	9.6W	7.8W	9.6W	10.4W	11.6W
Current (Quiescent)	0.37A	0.29A	0.37A	0.34A	0.42A
Current (In Alarm)	0.4A	0.33A	0.4A	0.43A	0.48A
Dimensions	350mm x 225mm x 135mm				
Weight	4.0kg	4.0kg		4.1kg	
Operating Conditions	**Ambient:** 0ºC to 39ºC **Sampled Air:** -20ºC to 60ºC **Tested to:** -20ºC to 55ºC **Humidity:** 10% to 95% RH, non-condensing				
Area Coverage	1000m^2	2000m^2			
Minimum Airflow per Pipe	15L/m				
Pipe Length (Linear)	100m	280m			
Pipe Length (Branched)	130m	560m			
Pipe Length (Depending on No. of Pipes)	**1 Pipe**	**1 Pipe**	**2 Pipe**	**3 Pipe**	**4 Pipe**
	100m	110m	100m	80m	70m
StaX	PSU	PSU, Auto Pipe Clean			
No. of holes (A/B/C)	30/40/45	40/80/100			
Computer Design Tool	ASPIRE-E™				
Pipe External Diameter	**Inlet:** 25mm (3/4 in IPS) **Exhaust:** 25mm (3/4 in IPS via adaptor)				
Relays	7 programmable relays (latching or non-latching states) Contacts rated 2A @ 30Vdc (Resistive)				
IP Rating	IP40				
Cable Access	4 x 26mm cable entries				
Cable Termination	Screw Terminal blocks 0.2-2.25 sq mm (24-14 AWG)				
Dynamic Range	0.0001% to 20% obs/m				
Sensitivity Range	0.005% to 20.00% obs/m				
Threshold Setting Range	**Alert:** 0.005% to 2.0% obs/m **Action:** 0.005% to 2.0% obs/m **Fire1:** 0.010% to 2.0% obs/m **Fire2:** 0.020% to 20.0% obs/m				
Software Features	**Event Log:** Up to 20,000 events stored in FIFO format Smoke level, user actions, alarms and faults with time and date stamp. **AutoLearn:** Detector learns Alarm Thresholds and Flow Fault thresholds by monitoring the environment.				

ORDERING INFORMATION

VEP-A00-1P	VESDA-E VEP 1 pipe with LEDs
VEP-A00P	VESDA-E VEP 4 pipe with LEDs
VEP-A10-P	VESDA-E VEP 4 pipe with 3.5" display
VSP-962	VESDA-E Filter
VSP-962-20	VESDA-E Filter 20 pack

APPROVALS

- ✓ ActivFire certified - Listing No. afp-2953
- ✓ EN 54-20
- ✓ ISO 7240-20

Class A (40 holes / Fire 1= 0.028% obs/m)
Class B (80 holes / Fire 1 = 0.027% obs/m)
Class C (100 holes/ Fire 1 = 0.072% obs/m)

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