

VESDA-E VEA Expansion StaX

VEA-040-STX



The VESDA-E VEA Expansion StaX extends sampling capability of a VESDA-E VEA Aspirating Smoke Detector by up to 40 addresses. It directly connects to the VEA detector for power and control. Depending on the configuration, a VEA detector can power and control up to two (2) Expansion StaX.

Installation, Commissioning and Maintenance

The VEA Expansion StaX features a robust IP40-rated enclosure. The Expansion StaX has the same external dimensions as a VEA detector making it easy to install. The Expansion StaX can be mounted above or below the detector. A spacer is provided to precisely align the Expansion StaX mounting bracket with the detector mounting bracket, the same spacer is used to provide correct spacing in case of direct mounting to the wall.

The Expansion StaX is fully supported by the Xtralis VSC software package for system commissioning and maintenance. Local smoke test ports are used during servicing to verify that the system is fully operational.

Field replaceable filter, smoke sensor module, pump and rotary valve components result in less down time and ease of maintenance.

Features

- Pinpoint addressability with superior detection compared to spot detectors
- 40 addressable microbore tubes with individual sampling points
- Assured detection with end to end system integrity monitoring
- Interruption-free business operation with centralized testing and maintenance
- Single sampling point or single tube blockage detection
- Automatic sampling point presence and tube breakage detection
- Automatic sampling point cleaning
- Three sensitivity settings
- Variable length capillary tubes, up to 100 m (328 ft)
- Laser-based absolute smoke detection
- Dual stage filtering and clean air barrier for optics protection
- Reliable linear pump technology
- Xtralis VSC and VSM4 PC software support
- PC software support
- iVESDA app for system monitoring on mobile devices
- IP 40 enclosure (not UL tested)
- Easy mounting with steel support bracket
- Field replaceable filter, smoke sensor module, pump and rotary valve
- Easy cable termination access

Listings / Approvals

- UL
- ULC
- EN 54-20, ISO 7240-20: Class A, B and C
- Other major agency approvals pending

Regional approvals listings and regulatory compliance vary between product models. Refer to www.xtralis.com for the latest product approvals matrix.

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Specifications

Supply Voltage	18 to 30 VDC
Power Consumption @ 24VDC	Average Quiescent: 27W Average Alarm: 27W
Peak current (scan mode)	3.5A
Aspirator	Linear Vacuum Pump
Dimensions (WHD)	352 mm x 336 mm x 135.5 mm (13.9in x 13.2in x 5.33in)
Weight	9.5 kg (20.9 lbs)
Operating Conditions	Ambient: 0°C to 39°C (32°F to 102°F) Sampled Air: 0°C to 50°C (32°F to 122°F) Tested to: 0°C to 49°C (32°F to 120°F)* Humidity: 10% to 95% RH, non-condensing
Storage Conditions	Humidity: Dry (<95%) Temperature: 0° to 85°C Must not be exposed to sunlight or other radiation sources
Microbore Tube Size	Normal Diameter: OD 6 mm, ID 4 mm Reduced Diameter: OD 4 mm, ID 2.5 mm
Microbore Tube Length	Normal Diameter: Up to 100m (328 ft) per tube Reduced Diameter: Up to 15m (49 ft) per tube
Flow Monitoring	Single sampling point and single tube blockage and breakage detection
IP Rating	IP40 (not UL tested)
Cable Access	4 x 25 mm (1") cable entry ports
Pre-alarms	Alert and Action - two pre alarm levels
Sensitivity	0.020%/m (0.006%/ft) - 16%/m (5%/ft)
Fire-1 Alarm Thresholds at the Sampling Hole	High: 1.6 %/m (0.50 %/ft) Enhanced: 4.0 %/m (1.3 %/ft) Standard: 8.0 %/m (2.5 %/ft)

* Product UL Listed between 0°C to 39°C (32°F to 102°F)

How it works

The Expansion StaX provides smoke detection for an additional 40 tubes. The Expansion StaX must be used in conjunction with the VESDA-E VEA detector.

All power supply, user interface, alarm reporting and other communications to the fire panel and to secondary monitoring systems are handled by the VEA detector.

Each VEA detector can support one or two Expansion StaX.

Ordering Information**

VESDA-E VEA-40 Expansion StaX	VEA-040-STX
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** Check the availability of VEA Expansion StaX with your local regional Xtralis office.

Spare Parts

VESDA-E VEA-40 Mounting Bracket	VSP-970
VESDA-E VEA-40 Smoke Sensor Module	VSP-971
VESDA-E VEA Filter	VSP-972
VESDA-E VEA Pump	VSP-973
VESDA-E VEA Rotary Valve	VSP-974

Approvals Compliance

Please refer to the Product Guide for details regarding compliant design, installation and commissioning.

www.xtralis.com

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