

## VESDA-E VEA-40 Aspirating Smoke Detector



**Part-No.: VEA-040-A00**

**Approval: UL, ULC, EN 54-20, ISO 7240-20: Class A, B and C, ActivFire, CE, VdS**

The VESDA-E VEA series of aspirated detectors combine VESDA reliability and early warning smoke detection with pinpoint addressability and a variety of annunciation options. They use patented air sampling points and multi-channel microbore air-sampling with three alarm sensitivity settings for the sampling points. As a multi-channel addressable system, the VEA detector is able to divide a protected space into sampling locations, enabling the localization of potential sources of fire for faster incident response. The detectors are suitable for protection of areas where pinpoint location of fire events is essential, thus providing ideal fire detection solutions for healthcare, offices, education, retail, prisons and electrical cabinets. A wide range of features provide flexibility, field programmability, enhanced connectivity and reduced total cost of ownership.

### Installation, Commissioning and Maintenance

The VEA detector features a robust IP40-rated enclosure and is equipped with a powerful pump that provides up to 100 m (328 ft) microbore tube length. It is fully supported by the Xtralis VSC software which facilitates ease of system commissioning and maintenance. During commissioning, the normalization process establishes the flow performance parameters. 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.

### Color LCD display

The VEA-040-A10 detector features a 3.5" colour LCD display which provides a range of status information including alarm and fault conditions as well as smoke level. Screens for each type of information are available using a simple navigation system.

### VESDAnet™

VESDA detectors and devices communicate on VESDAnet which provides a robust bi-directional communication network allowing continued redundant operation even during single point wiring failures. VESDAnet enables primary reporting, centralized configuration, control, maintenance and monitoring.

### 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 laptops installed with Xtralis configuration software to connect wirelessly to the detector via the network.

### Features:

- Pinpoint addressability
- 40 addressable microbore tubes with individual sampling points
- Assured detection with end to end system integrity monitoring
- Interruption-free business operation with centralised testing and maintenance
- Single sampling point or single tube blockage detection at set intervals
- Automatic sampling point presence and tube breakage detection at set intervals
- Automatic sampling point cleaning at set intervals
- Three sensitivity settings for the sampling points
- Variable length capillary tubes, up to 100 m (328 ft)
- Laser-based absolute smoke detection
- Coarse particle filtering and clean air barrier for optics protection
- Reliable linear pump technology
- LEDs for alarm and fault signalling
- 3.5" colour touch screen for status review
- Seven programmable relays
- Two GPIs, monitored and unmonitored
- Xtralis VSC and VSM4 PC software support
- iVESDA application 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
- VESDAnet networking
- Ethernet 100BASE-T
- WiFi, 802.11 b/g/n
- Local host-mode USB port
- Easy cable termination access
- Event Log (20.000 events)

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|----------------------|---------------------------------|
| Area to be monitored | 1600 m <sup>2</sup>             |
| Weight               | approx. 9,9 kg                  |
| Dimensions           | W: 352 mm H: 336 mm D: 135,5 mm |