

## VEP with LEDs, 4 pipes



### Features:

- Multi stage filtration and optical protection with clean air barriers
- Four alarm levels and an ultra wide sensitivity range
- Secondary monitoring and maintenance via WiFi
- USB for PC configuration, and firmware upgrade using a memory stick
- Remote monitoring with iVESDA
- Fully backward compatible with VLP and VESDAnet
- AutoLearn™ smoke and flow
- Extensive event log - 20 000 events

**Part-No.: VEP-A00-P**

**Approval: UL, ULC, FM, ActivFire, CE, VdS, EN 54-20, ISO 7240-20**

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 achieve consistent performance over their lifetime via absolute calibration. In addition, the VEP delivers a range of revolutionary features that provide 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 characterisation. 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 enables use of a total of 130m (427ft) of sampling pipe in the one pipe model and 560m (1,837ft) of pipe in the four pipe model. Out of box operation is made possible with AutoConfig which allows airflow normalisation and AutoLearn Smoke and Flow to be initiated from within the detector. VEP is fully supported by the ASPIRE and Xtralis VSC software applications which facilitate ease of pipe network design, system commissioning and maintenance.

#### VESDAnet™

VESDA 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 PC's installed with Xtralis monitoring and configuration software to connect wirelessly to the detector via the network.

#### Backward Compatibility

VESDA-E VEP is compatible with existing VESDA installations. The detector occupies the same mounting footprint, pipe, conduit and electrical connector positioning as VESDA VLP. VEP is also compatible with existing VESDAnet installations allowing monitoring of both VESDA-E and legacy detectors via the latest iVESDA application

|                             |                               |
|-----------------------------|-------------------------------|
| Operating voltage           | 18 ... 30 V DC                |
| Quiescent current @ 24 V DC | approx. 367 mA                |
| Alarm current @ 24 V DC     | approx. 400 mA                |
| Contact load relay          | 2 A @ 30 V DC NO/NC           |
| Sensitivity                 | 0.005%–20% obs/m              |
| Connection terminal         | 0.2–2.5 mm <sup>2</sup>       |
| Maximum tube length         | 560 m                         |
| Area to be monitored        | 1600 m <sup>2</sup>           |
| Type of protection          | IP 40                         |
| Weight                      | approx. 4.83 kg               |
| Specification               | EN 54-20, Class A, B, C       |
| Dimensions                  | W: 350 mm H: 225 mm D: 135 mm |



Internal filter included in detector

### Accessories:

VSP-962

VESDA Filter for VEU, VEP