



# Certificate of Compliance

## FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

VESDA-E VEU and VEP aspirated smoke detection systems for use with compatible FM Approved fire alarm controls via the relay contacts on the main board of the detector

*Approval Guide* Listing: Category:

Electrical Signaling Alarm Signal Initiating Devices Fire Detection, Smoke-Actuated Fire Detectors-Smoke  
Electrical Signaling Alarm Signal Initiating Devices Fire Detection, Smoke-Actuated Protection of Refrigerated Spaces  
Electrical Signaling Alarm Signal Initiating Devices Fire Detection, Smoke-Actuated Very Early Warning Fire Detection (VEWFD) Systems

Xtralis Pty  
4 North Drive, Virginia Park,  
236-262 East Boundary Road  
Bentleigh East, Victoria, Australia 3165

This certifies that the equipment described has been found to comply with the applicable requirements, as stated in the Approval Report(s), of the following FM Approval Standards and other documents:

<i>Approval Standards</i>	<i>Date</i>
<i>Class Number</i> 3230	January 2010

<i>Other Standards</i>	<i>Date</i>
<i>Organization, Designation</i>	

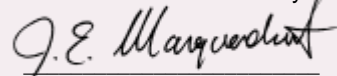
Original Approval Job Identification:0003051798

Approval Granted: 27 April 2015

Related Report: None

Subsequent Revisions: RR215200

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

  
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23 October 2018

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Date



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VESDA-E VEU and VEP aspirated smoke detection systems for use with compatible FM Approved fire alarm controls via the relay contacts on the main board of the detector. Each detector is equipped with four sampling pipe inlets. The firmware version is 5.27.XX. The VEP detector has a sensitivity range 0.003 to 6.25% obs/ft (0.01 %/m to 20.0 %/m). The VEU detector has a sensitivity range 0.0003 to 6.25% obs/ft, (0.001 %/m to 20.0 %/m). Factory default Fire 1 Alarm setting 0.2 %/m (0.0625 %/ft), and changes require password-protected programming, using a computer with VSC Software version 3.05.xx. The Approval is limited to 4.0%/ft (13.2%/m) sensitivity. The VEP and VEU operate from 18 to 30 V dc supplied by the Model VPS-100US power supply (120 V ac/60 Hz). Secondary power is from two 12 V dc, 12 AH batteries for each detector up to a maximum of two detectors for 24 hours. Alternate power supplies are the Model VPS-100US-220 which operates from 240 V ac and is also provided with two 12 V dc, 12 AH batteries for each detector up to a maximum of two detectors. For locations with a 24 V dc supply having at least a 24 hour standby capacity (refineries, power plants, gas processing distribution networks, telephone equipment rooms, etc.), the detector may be connected to this supply with permission of the authority having jurisdiction. The VESDA power supply, Model VPS-400US-48 which converts 48 V dc to 24 V dc may be used in telecommunications applications where a 48 V dc uninterruptible power supply exists. The VEP and VEU are suitable for indoor use only in ambient temperatures of 32°F to 104°F (0°C to 40°C). If the ASPIRE-E Version 2.05.01 sampling systems modeling program is not used to design the piping network, then a balanced sampling piping network must be installed. The VEP and VEU are equipped with a VESDAnet interface enabling use of the following accessories: VESDA HLI for communication with a computer with VSC Software version 3.05 (or later), VRT-100 LCD Programmer, VRT-200 Remote Display Module, VRT-300 Remote VESDAnet socket module, VRT-500 Remote relay module, and VRT-600 Remote display without relays.



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