

CERTIFICATE OF CONFORMITY

1. FIRE PROTECTION EQUIPMENT

2. Certificate No: FM23FPUS0269-1
3. Equipment:
(Type Reference and Name) VES-A00-P, VES-A00-P-CH
4. Name of Listing Company: Xtralis Pty Ltd
5. Address of Listing Company: 4 North Drive, Virginia Park, 236-262 East Boundary Road, Bentleigh Vic 3165, Australia

6. The examination and test results are recorded in confidential report number:

PR457356 dated 13th April 2022

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

FM 3230:2023

8. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

9. Approval Guide Listing Category:

Alarm Signal Initiating Devices, Smoke Detectors
Alarm Signal Initiating Devices, Smoke Detectors, Very Early Warning Fire Detection (VEWFD) Systems

Certificate issued by:



4 September 2024

J.E. Marquedant
VP, Manager - Electrical Systems

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. One Technology Way, Norwood, MA 02062 USA
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10. Description of Equipment:

Smoke detection technology	Uses a short wavelength laser light source in conjunction with photodiodes and advanced imaging technology to achieve optimum response to a wide range of smoke types.
Sensitivity range	Programmable, range 0.005 to 20% obs/m (0.0016 to 6.25% obs/ft.)
Firmware	version 9.01.XX
Sampling pipe	accommodate both 25 mm OD pipe or IPS 3/4 inch pipe (1.05 inch OD)
Pipe length – pipe network (optimized for Maximum Pipe Length)	Maximum length per pipe when using four straight pipes: Four pipe VES-A00-P: 70 m (230 ft) Maximum total pipe length (with branches): Four pipe VES-A00-P: 560 m (1,837 ft) Note: Standards compliance of a particular pipe network must be determined using ASPIRE.
Alarm Levels	Alert, Action, Fire 1, Fire 2,
Special Features	1 AutoLearn Smoke is initiated by using Xtralis VSC or the AutoConfig button located on the main board of the detector. Only in special application mode, Auto learn is disabled when the detector is set to Open area mode. 2. VESDAnet network allows: a) the VES-A00-P detector to report alarms and faults to a Fire Panel using a remote display module, remote relay module or HLI. b) configuration and monitoring of devices from a central computer connection. c) connection to a reference detector.
Displays and Controls	LEDs for power, fault, disabled, Alert, Action, Fire 1, and Fire 2 Commissioning menu access code protected
Relay Outputs	12 programmable relays, Alert, Action, Fire 1, Fire 2, First Alarm Sector 1, First Alarm Sector 2, First Alarm Sector 3, First Alarm Sector 4, and Scanning, rating 2.0A @ 30Vdc
Communication protocols	The USB port is used for configuration purposes ONLY. It allows direct connection between the VES A00-P detector and a PC or laptop running the Xtralis VSC software. Note:

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	Ethernet The Ethernet port is used for configuration and/or monitoring purposes. It enables direct or routed network connection between the detector and a PC or laptop with Xtralis VSC installed. The WiFi module provides wireless connection of the detector to the building network for the purpose of configuration and secondary monitoring with Xtralis VSC.
Coverage	Up to 2,000 m ² (21,520 ft ²), Area of coverage per sampling hole is usually same as a spot or point detector
Operating voltage range	18 to 30 V dc (Nom. 24V dc)
Operating temperature range	0°C to 38°C (32°F to 100°F)
Sampling air temperature range	-20°C to 60°C (-4°F to 140°F)
Humidity range	5% to 95% RH, non-condensing
Power consumption	Standby: setting 1: 7.9W, setting 5: 9.7 W, setting 10: 14.8 W WAlarm: setting 1: 8.5 W, setting 5: 9.9 W, setting 10: 14.5 W peak current of 1.5 Adc
Enclosure	Anodized aluminum Indoor use only
Models	VES-A00-P, VES-A00-P-CH, VES-A00-P-NF (French version) VES-A10-P-UL, VES-A00-P-UL (UL 7 th Ed.) VES-A10-P-NTF-VN, VES-A00-P-NTF-VN, VES-A10-P-HON-VN, VES-A00-P-HON-VN, VES-A10-P-GW-VN, VES-A00-P-GW-VN, VES-A00-P-KR-UL, VES-A10-P-KR-UL
Compatible Bire alarm control panels (FACPs) and power sources	The detector is to be used with Approved control panels providing separate circuits for power and alarm initiating devices. Power to the detector (both primary and standby) can also be provided by an independent FM Approved power source. The required 24Vdc primary power and 24-hour standby power for detector must be obtained locally from a means suitable for NFPA 72 applications and is to be installed in the same room as the detector with the wiring in conduit and not exceeding 6 m.

11. Test and Assessment Procedure and Conditions:

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

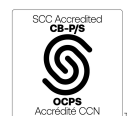
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12. Schedule Drawings

A copy of the technical documentation has been kept by FM Approvals.

13. Certificate History

Details of the supplements to this certificate are described below:

Date	Description
17 December 2023	Original Issue. RR235441
4 September 2024	<u>Supplement 1:</u> Report Reference: PR467459 dated 4 September 2024. Description of the Change(s): Software and smoke chamber updated to meet UL268 7th Ed. Requirements.

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