



Certificate of Compliance

FIRE PROTECTION EQUIPMENT

This certificate is issued for the following [name] equipment:

Equipment Model Designations: VES-A00-P, VES-A00-P-CH

Approval Guide Listing Categories:

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

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

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>Other Standards</i>	<i>Date</i>
<i>Class Number</i>		<i>Organization, Designation</i>	
3230	06/2020		


Original Approval Job Identification: PR457356

Approval Granted: 13 April 2022

Related Report: None

Subsequent Revisions: None

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


J.E. Marquedant
VP, Manager - Electrical Systems
FM Approvals
1151 Boston-Providence Turnpike,
Norwood MA, 02062 USA

13 April 2022

Date



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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 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. 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: 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) (VES-A00-P), Area of coverage per sampling hole is usually same as a spot or point detector



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Operating voltage range	18 to 30 V dc (Nom. 24V dc)
Operating temperature range	0°C to 39°C (32°F to 102°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 Alarm: 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
Compatible fire 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.



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FIRE PROTECTION EQUIPMENT

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Equipment Model Designations: VES-A10-P, VES-A10-P-CH

Approval Guide Listing Categories:

Electrical Signaling, Alarm Signal Initiating Devices, Fire Detection, Smoke-Actuated, Fire Detectors-Smoke
Electrical Signaling, Alarm Signal Initiating Devices, Fire Detection, Smoke-Actuated, Very Early Warning Fire Detection
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Firmware	version 9.01.XX
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Displays and Controls	LEDs for power, fault, disabled, Alert, Action, Fire 1, and Fire 2 3.5" multifunction touch screen LCD display 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: 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.



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