



Date : 03 August, 2026

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	0003059750	CERTIFICATE NUMBER	FM26US0005
DATE OF ISSUE	22 March, 2018	DATE OF ISSUE	21 January, 2026
DATE OF EXPIRY	NONE	DATE OF EXPIRY	NONE
Manufacturer Details			
NAME OF FACTORY / MANUFACTURER	AVA Prevent Co. LTD	NAME OF THE BRAND	FFE Ltd
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	2F-4, No. 700, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235603, Taiwan	MODEL / NO	Sensis Azure 2000s Sensis Azure 2000s (1A) Sensis Azure 2000s (4A) Sensis Azure 2000s (4A16)
WEBSITE	www.ava-prevent.com	LOGO ON THE PRODUCT	
TEL	886 2 32380380	EMAIL	benjamin.wallace@ffeuk.com





Product Details From Test Report		Reference Test Report page number
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/ THICKNESS/ SENSITIVITY ETC)	Sensitivity range: Programmable 0.005%/m to 20%/m (0.00016%/ft to 6.6%/ft)* *Operation beyond 12%/m (4%/ft) obscuration is not allow by the Standard	2
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	FM 3230:2023	1
TEST DESCRIPTION	All testing and analysis considered appropriate was conducted and verified to be in compliance with the Standards listing in the Test Standards section. All data is on file at FM Approvals along with other documentation and correspondence applicable to this program.	5
SPECIFICATION OF TEST SPECIMEN	The samples were considered to be representative of the product line and were examined, tested, and compared to the manufacturer's drawings.	6
TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/ OBSERVATION___/ETC)	Pass	6
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT___/TO BE CONNECTED WITH___/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.	Installations shall comply with the manufacturer's published installation instructions.	5





Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	FM Approvals	NAME OF TEST FACILITY	FM Approvals
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	1165 Boston-Providence Turnpike Norwood, MA 02062 USA	TEST FACILITY ADDRESS /REGION (STREET / TOWN / CITY / COUNTRY)	743 Reynolds Road West Glocester, Rhode Island 02814 USA and 1165 Boston-Providence Turnpike Norwood, Massachusetts 02062 USA
WEBSITE	www.fmaprovals.com	WEBSITE	www.fmaprovals.com
TEL	+1 (1) 781 762 4300	TEL	+1 (1) 781 762 4300
EMAIL	information@fmaprovals.com	EMAIL	information@fmaprovals.com
FM APPROVALS IS ACCREDITED BY	PER	VALIDITY	REFERENCE NUMBER
The Standards Council of Canada (SCC) www.scc.ca	ISO/IEC 17065	01 December 2028	FM Approvals LLC 1165 Boston-Providence Turnpike Norwood, MA 02062 USA
The Standards Council of Canada (SCC) www.scc.ca	ISO/IEC 17025	04 April 2029	No. 574 (Norwood, MA and West Glocester, RI)
International Accreditation Service (IAS) www.iasonline.org	ISO/IEC 17025	01 July 2026	No. TL 221 (Norwood, MA and West Glocester, RI)
Occupational Safety and Health Administration (OSHA) www.osha.gov	ISO 17065 ISO 17025	05 March 2026	OSHA-2007-041 (Norwood, MA and West Glocester, RI)
The Irish National Accreditation Board (INAB) www.inab.ie	ISO/IEC 17065	15 November 2028	No. 6024 Notified Body Identifier 2809 (Dublin, IE)
United Kingdom Accreditation Service (UKAS) www.ukas.com	ISO/IEC 17065	25 January 2027	No. 0259 Approval Body Identifier 1725 (Maidenhead, UK)
IECEx Conformity Assessment System www.iecex.com	ISO/IEC 17065	01 May 2029	FM Approvals LLC 1165 Boston-Providence Turnpike Norwood, MA 02062 USA
CERTIFICATION MARK			

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER NAME			
NAME OF MANUFACTURER'S SIGNATORY	Ben Wallace	SIGNATURE	
EMAIL / TEL	benjamin.wallace@ffeuk.com	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			



(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY

NAME OF CERTIFICATION BODY SIGNATORY	James Marquedant	SIGNATURE	
EMAIL / TEL	james.marquedant@fmaprovals.com	CERTIFICATION BODY OFFICIAL SEAL	

NOTES: I Undertake that all data and information provided are genuine and accurate

ATTACHMENTS: COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)

CERTIFICATE OF CONFORMITY



1. FIRE PROTECTION EQUIPMENT

2. Certificate No: FM26US0005
3. Equipment:
(Type Reference and Name) Sensis Azure-2000s, 2000s (1A), 2000s (4A), 2000s (4A16) Four Zone Aspirating Smoke Detectors
4. Name of Listing Company: FFE Ltd
5. Address of Listing Company: 9 Hunting Gate, Hitchin, Hertfordshire, SG4 0TJ, United Kingdom
6. The examination and test results are recorded in confidential report number:

PR475475 dated 21st January 2026

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:

J.E. Marquedant
VP, Manager - Electrical Systems

21 January 2026

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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CERTIFICATE OF CONFORMITY
US Certificate of Conformity No: FM26US0005



10. Description of Equipment:

Smoke detection technology	Forward Light Scattering Mass Detection, using a short wavelength blue LED as the detection light source; The High Sensitivity Aspirating Smoke detector has four Aspirators and four Flow Sensors, while one common Fan Board controls all four aspirators
Sensitivity range	Programmable, 0.005%/m to 20%/m (0.00016%/ft to 6.6%/ft)* * Operation beyond 12%/m (4%/ft) obscuration is not allowed by the Standard
Sampling pipe	OD: 25mm; ABS/UPVC
Pipe length – pipe network (optimized for Maximum Pipe Length)	100m (18 holes) per one aspirator: total 400m and up to 72 sampling holes if all four aspirators are used
Pipe length – pipe network (optimized for Maximum Number of Sampling Holes)	Single Pipe – 60m - 25 sampling holes Four Pipes – 240m – 100 sampling holes
Alarm Levels	Alert, Action, Fire 1, Fire 2
Displays and Controls	6-digit Numerical LED detector display (with zone display capability); 20 LED segment smoke level bar graph; 4 Fire Alarm LED Indicators; 4 Fault LED Indicators; “Isolate” and “Power” LED indicators; “Reset”, “Isolate”, “Silence”, “Test” and “Scan” momentary membrane switches
Relay Outputs – Terminal Board	7 configurable relays, rating 2.0A @ 30Vdc
Zone Relay Outputs – Zone Relay Board (optional)	16 configurable relays, rating 2.0A @ 30Vdc
Communication protocols	Two RS-485 terminals



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Accessories	AvaFlow air-sampling pipe design software Note: The air-sampling pipe design of Sensis Azure-2000s, Sensis Azure- 2000s (1A), Sensis Azure-2000s (4A), and Sensis Azure-2000s (4A16) should be checked by AvaFlow software.
Maximum coverage	FM Data sheets, NFPA standards, local and international fire codes for aspirating smoke detectors should be complied with. Area of coverage per sampling hole is usually at least the same as point smoke detector
Operating voltage range	19.2 to 28.8Vdc
Operating temperature range	0° to 40°C
Sampling air temperature range	-20° to 60°C
Humidity range	0 to 95% RH, non-condensing
Power consumption	860 mA maximum
Enclosure	Metal, Indoor use only
Model Code	Sensis Azure-2000s Four Zone Aspirating Smoke Detector Sensis Azure-2000s (1A) is Sensis Azure-2000s without zone relay boards and without zone indication. Sensis Azure-2000s (4A) is Sensis Azure-2000s without zone relay boards but with zone indication. Sensis Azure-2000s (4A16) is Sensis Azure-2000s with zone relay and with zone indication.
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 an 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
21 January 2026	Original Issue. Reference PR475475.



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