

CERTIFICATE OF CONFORMITY

1. FIRE PROTECTION EQUIPMENT

2. **Certificate No:** FM26US0011
3. **Equipment:** Sensis Azure-500s Series Single Zone Aspirating
(Type Reference and Name) 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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10. Description of Equipment:

Smoke detection technology	Forward Light Scattering Mass Detection, using a short wavelength blue LED as the detection light source
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 – Single pipe network	100m (18 holes) 60m (25 holes)
Pipe length – Two branch network	2x80m (2x15 holes)
Pipe length – Four branch network	4x60m (4x10 holes)
Alarm Levels	Alert, Action, Fire 1, Fire 2
Displays and Controls	6-digit Numerical LED detector display; 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	7 configurable relays, rating 2.0A @ 30Vdc
Accessories	AvaFlow air-sampling pipe design software Note: The air-sampling pipe design of Sensis Azure-500s should be verified by AvaFlow software
Communication protocols	Two RS-485 terminals
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 at least equal to point type smoke detector
Operating voltage range	19.2 to 28.8Vdc
Operating temperature range	0° to 40°C

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Sampling air temperature range	-20° to 60°C
Humidity range	0 to 95% RH, non-condensing
Power consumption	340 mA maximum
Enclosure	Metal, Indoor use only
Model Code	Sensis Azure-500s Single Zone Aspirating Smoke Detector
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.

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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