

## BRE Global

**UK Approved Body No. 0832**

BRE Global Limited  
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Hertfordshire, UK, WD25 9XX  
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## Certificate of UKCA approval constancy of performance 0832-UKCA-CPR-F1811

In compliance with the Construction Product Regulations 2020, UK Statutory Instruments 2020 No.1359 of Ministry of Housing, Communities and Local Government. This certificate applies to the construction product.

### FA100 Single (Expandable to Two) Pipe Aspirating Smoke Detector with Short Circuit Isolator

(For full product details and conditions of use refer to appendix)

Placed on the market under the name or trademark of: and produced in the manufacturing plant(s):

**INIM ELECTRONICS s.r.l.**  
Via Dei Lavoratori 10  
Frazione Centobuchi  
63076 Montepandone (AP)  
Italy

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Italy

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s)

### EN 54-20:2006 Aspirating Smoke Detector EN 54-17:2005 Short Circuit Isolator

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure

### the constancy of performance of the construction product.



This certificate was first issued on 10 May 2024 and will remain valid as long as neither the designated standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the approved product certification body.

P Halligan, Technical Manager

On behalf of BRE Global Limited

Date of First Issue: 10 May 2024

Issue Date: 22 May 2024

Issue Number: 02

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**APPENDIX to Certificate of constancy of performance: 0832-UKCA-CPR-F1811****FA100 Single (Expandable to Two) Pipe Aspirating Smoke Detector with Short Circuit Isolator**

## Notes:

1. For compliance with Clause 5.10 of EN 54-20:2006, the detector shall be supplied with power from a power supply complying with EN 54-4.

2. The approval of the detector is conditional upon the following requirements:

- Design, installation, and commissioning are performed in accordance with the Installation and programming manual (DCMIINE0FA100-100)

3. The FA100 detector is approved for the following classes and sensitivities:

- Class A: 0.00235-0.025 dB/m

- Class B: 0.00235-0.060 dB/m

- Class C: 0.00235-0.200 dB/m

The Class of any pipework and hole configuration, detector sensitivity and equipment parameters must be determined using FA/STUDIO software.

4. The aspirating detector is approved with the following ancillary components:

- FAD100 - Detector module

- FAD100Filter - Metal mesh with gasket

- 504F075ABS - Dust filter (Medium F0.75 filter with RL5 cartridge ABS)

- WT025 - Condensate trap ABS

- 2510025 - 3-way ball valve PVC / EPDM

- 1725001950 - Flexible transparent spiral pipe p-PVC with carbon steel wire (External Ø: 25mm)

- AAD12025CRS - Male / Female fitting (for the dust filter) ABS

- TUBOABS0250M - Pipe

- SASO100250RS - Coupling sleeve

- SATE400250RS - T-piece

- SABE300250RS - 90° bend



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**FA100 Single (Expandable to Two) Pipe Aspirating Smoke Detector with Short Circuit Isolator**

- SAEY500250RS - 45° Elbow
- SACA700250RS - Pipe end cap
- SAUN800250RS - Openable joint sleeve
- STS25REDK - Hose clip
- SGLUEN0250 - Sealing glue
- SGLUEN0500 - Sealing glue
- MPE1008025M-R - Red flexible pipe for sampling capillaries
- LABEL23X10 - Sampling hole identification labels with written "ASPIRATING POINT"
- CAPKIT2510SR - Kit for the creation of a sampling capillary



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