

## Certificate of Product Approval

Certificate Number: 1199d-(cl-1) Issue: 04

### UTC Fire & Security B.V.

Kelvinstraat 7  
 NL-6003 DH  
 Weert  
 The Netherlands



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

#### Products

##### Aspirating Smoke Detectors

- Stratos Micra 25
- Stratos Micra 100
- Stratos HSSD 2
- Stratos HSSD 2 + Command Module
- Stratos HSSD 2 Minimum Display Module
- Senator 25
- Senator 100
- Senator 200
- Senator 200 + Command Module
- Senator 200 Minimum Display
- 9-30783 Stratos Modulaser

(refer to Appendix for details)

#### Standards

**EN 54-20:2006**

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd

**P Halligan**

Verifier

17 December 2018

Date of Issue

10 November 2015

Date of First Issue



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## Appendix to Certificate No: 1199d-(cl-1)

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Certified Product	Description	LPCB Ref.No.
Stratos Micra 25	High Sensitivity Aspirating Smoke Detector (Branded as Kidde Airsense) 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: a) Design, installation and commissioning are performed in accordance with the system design manual and instructions. b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.31%/m. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.	1199d/01
Senator 25	High Sensitivity Aspirating Smoke Detector (Branded as Kidde) 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: a) Design, installation and commissioning are performed in accordance with the system design manual and instructions. b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.31%/m. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.	1199d/01
Stratos Micra 100	High Sensitivity Aspirating Smoke Detector (Branded as Kidde Airsense) 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: a) Design, installation and commissioning are performed in accordance with the system design manual and instructions.	1199d/02

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Certified Product	Description	LPCB Ref.No.
	b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.62%/m. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.	
Senator 100	High Sensitivity Aspirating Smoke Detector (Branded as Kidde) 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: a) Design, installation and commissioning are performed in accordance with the system design manual and instructions. b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.62%/m. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.	1199d/02
Stratos HSSD 2	High Sensitivity Aspirating Smoke Detector (Branded as Kidde Airsense) (Stratos HSSD 2 Stand Alone Command Module Ancillary) 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: a) Design, installation and commissioning are performed in accordance with the system design manual and instructions. b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.62%/m, 1.95%/m and 4.65%/m respectively. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.	1199d/03
Senator 200	High Sensitivity Aspirating Smoke Detector (Branded as Kidde) (Senator Command Module Ancillary) Notes:	1199d/03

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Certified Product	Description	LPCB Ref.No.
	<p>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.</p> <p>2. The approval of the detector is conditional upon the following requirements:</p> <p>a) Design, installation and commissioning are performed in accordance with the system design manual and instructions.</p> <p>b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.62%/m, 1.95%/m and 4.65%/m respectively. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.</p>	
Stratos HSSD 2 + Command Module	<p>High Sensitivity Aspirating Command Module Smoke Detector (Branded as Kidde Airsense)</p> <p>Notes:</p> <p>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.</p> <p>2. The approval of the detector is conditional upon the following requirements:</p> <p>a) Design, installation and commissioning are performed in accordance with the system design manual and instructions.</p> <p>b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.62%/m, 1.95%/m and 4.65%/m respectively. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.</p>	1199d/04
Senator 200 + Command Module	<p>High Sensitivity Aspirating Command Module Smoke Detector (Branded as Kidde)</p> <p>Notes:</p> <p>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.</p> <p>2. The approval of the detector is conditional upon the following requirements:</p> <p>a) Design, installation and commissioning are performed in accordance with the system design manual and instructions.</p> <p>b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.62%/m, 1.95%/m and 4.65%/m respectively. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.</p>	1199d/04

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Certified Product	Description	LPCB Ref.No.
Stratos HSSD 2 Minimum Display Module	High Sensitivity Aspirating Minimum Display Version Smoke Detector (Branded as Kidde Airsense) (Stratos HSSD 2 Stand Alone Command Module Ancillary) 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: a) Design, installation and commissioning are performed in accordance with the system design manual and instructions. b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.62%/m, 1.95%/m and 4.65%/m respectively. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.	1199d/05
Senator 200 Minimum Display Module	High Sensitivity Aspirating Minimum Display Version Smoke Detector (Branded as Kidde ) (Senator Command Module Ancillary) 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: a) Design, installation and commissioning are performed in accordance with the system design manual and instructions. b) The device is approved for sensitivity Classes A, B and C for sensitivities up to 0.62%/m, 1.95%/m and 4.65%/m respectively. The Class of any pipe/hole configuration and detector sensitivity must be determined using PipeCAD.	1199d/05
9-30783	Detector Module for Stratos ModuLaser (Branded AirSense)  Incorporating the following ancillary equipment: -Apollo APIC Card for Stratos ModuLaser (Part No: 9-30430)	1199d/07

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Certified Product	Description	LPCB Ref.No.
	<p>Notes:</p> <ol style="list-style-type: none"> <li>For compliance with EN 54-20:2006, the Detector Module(s) (9-30783) must be used in conjunction with at least one of the following ancillary equipment: <ul style="list-style-type: none"> <li>- Command Display Module, (Part No: 9-30782)</li> <li>- Standard Display Module, (Part No: 9-30781)</li> <li>- Minimum Display Module, (Part No: 9-30780)</li> </ul> </li> <li>For compliance with clause 5.10 of EN 54-20:2006, all detectors and displays shall be supplied with power from a power supply conforming with the requirements of EN 54-4.</li> <li>The device is approved for sensitivity Classes A, B and C. The Class of any pipework and hole configuration, detector sensitivity and equipment parameters must be determined using PipeCAD software.</li> <li>The approval of the detector is conditional upon the following requirements: <ul style="list-style-type: none"> <li>- Design including accessories used, installation and commissioning are performed in accordance with the system installation manual 4-4001-501-1003.</li> </ul> </li> </ol>	

#### Ancillaries

Stratos HSSD 2 Stand Alone Command Module (Branded as Kidde Airsense)  
 Senator Command Module (Branded as Kidde)

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