



Date : 30 November 2020

## CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	P108137-1001	CERTIFICATE NUMBER	1199d
DATE OF ISSUE	8 June 2018	DATE OF ISSUE	14 March 2019
DATE OF EXPIRY	N/A	DATE OF EXPIRY	N/A
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	UTC CCS Manufacturing Polska Sp.z o.o.	NAME OF THE BRAND	Stratos
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Ul. Kolejowa 24 39-100 Ropczyce Poland	MODEL / NO	ModuLaser 9-30783 (Branded AirSense) FHSD8330 (Branded Edwards) 9-30783-KID (Branded Kidde)
WEBSITE	<a href="https://firesecurityproducts.com">https://firesecurityproducts.com</a>	LOGO ON THE PRODUCT	N/A
TEL	+48 17 221 02 02	EMAIL	Joanna.wyrwich@carrier.com



Product Details From Test Report		Reference Test Report page NO
<p><b>DESCRIPTION OF THE PRODUCT</b> (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)</p>	<p><b>9-30783 Detector Module for Stratos ModuLaser (Branded AirSense)</b> Incorporating the following ancillary equipment: -Apollo APIC Card for Stratos ModuLaser (Part No: 9-30430)</p> <p>Notes:</p> <ol style="list-style-type: none"><li>1. 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>2. 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>3. 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>4. 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> <p><b>FHSD8330 LaserSense ModuLaser, Detector Module (Branded Edwards)</b> Incorporating the following ancillary equipment: -Apollo APIC Card for Stratos ModuLaser (Part No: 9-30430)</p> <p>Notes:</p> <ol style="list-style-type: none"><li>1. For compliance with EN 54-20:2006, the Detector Module (FHSD8330) must be used in conjunction with at least one of the following ancillary equipment:<ul style="list-style-type: none"><li>- LaserSense ModuLaser, Command Display Module, (Part No: FHSD8320) (Branded Edwards)</li><li>- LaserSense ModuLaser, Standard Display Module, (Part No: FHSD8310) (Branded Edwards)</li><li>- LaserSense ModuLaser, Minimum Display Module, (Part No: FHSD8300) (Branded Edwards)</li></ul></li></ol>	

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	<p>2. 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.</p> <p>3. 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.</p> <p>4. The approval of the detector is conditional upon the following requirements: - Design including accessories used, installation and commissioning are performed in accordance with the system installation manual 04-4001-501-2003-08.</p> <p><b>9-30783-KID Senator ModuLaser, Detector Module (Branded Kidde)</b> Incorporating the following ancillary equipment: -Apollo APIC Card for Stratos ModuLaser (Part No: 9-30430)</p> <p>Notes:</p> <p>1. For compliance with EN 54-20:2006, the Detector Module (9-30783-KID) must be used in conjunction with at least one of the following ancillary equipment: - Senator ModuLaser, Command Display Module, (Part No: 9-30782-KID) (Branded Kidde) - Senator ModuLaser, Standard Display Module, (Part No: 9-30781-KID) (Branded Kidde) - Senator ModuLaser, Minimum Display Module, (Part No: 9-30780-KID) (Branded Kidde)</p> <p>2. 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.</p> <p>3. 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.</p> <p>4. The approval of the detector is conditional upon the following requirements: - Design including accessories used, installation and commissioning are performed in accordance with the system installation manual 04-4001-501-0003-08.</p>	
<p><b>TEST STANDARD</b> (SUCH AS ASTM/BS EN/ DN ETC)</p>	<p>EN 54-20:2006</p>	<p><i>A. M. M. M.</i> BRE GLOBAL LTD. BUCKNALLS LANE WATFORD WD25 9XX, UK</p>





<p><b>TEST DESCRIPTION</b></p>	<p>The object of this evaluation was to assess the performance of the UTC Stratos ModuLaser Model 9-30783 Aspirating Smoke Detector for compliance with the requirements of EN 54-20:2006, together with the additional test requirements of LPCB/VdS Agreement Document AD EN 54-20. The following ancillaries are to be included in the scope of this evaluation:</p> <ul style="list-style-type: none"> <li>• Stratos ModuLaser Minimum Display Module 9-30780</li> <li>• Stratos ModuLaser Standard Display Module 9-30781</li> <li>• Stratos ModuLaser Command Display module 9-30782</li> </ul>												
<p><b>SPECIFICATION OF TEST SPECIMEN</b></p>	<p><b>First Submission</b></p> <table border="1" data-bbox="531 689 1369 911"> <thead> <tr> <th colspan="3">Equipment</th> </tr> <tr> <th>Quantity</th> <th>Description</th> <th>Receipt date</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>9-30783 Stratos ModuLaser aspirating smoke detectors</td> <td rowspan="2">25<sup>th</sup> October 2017</td> </tr> <tr> <td>3</td> <td>9-30782 Stratos ModuLaser command modules</td> </tr> </tbody> </table>	Equipment			Quantity	Description	Receipt date	8	9-30783 Stratos ModuLaser aspirating smoke detectors	25 <sup>th</sup> October 2017	3	9-30782 Stratos ModuLaser command modules	
Equipment													
Quantity	Description	Receipt date											
8	9-30783 Stratos ModuLaser aspirating smoke detectors	25 <sup>th</sup> October 2017											
3	9-30782 Stratos ModuLaser command modules												
<p><b>TEST RESULT</b> (SUCH AS PASSED CRITERIA ___/ COMPLIED TO ___/ DURATION ___/OBSERVATION ___/ETC)</p>	<p>The UTC Stratos ModuLaser Model 9-30783 Aspirating Smoke Detector in conjunction with the Stratos ModuLaser Command Display module 9-30782 met the requirements of selected tests specified in Test Schedule P108137/1.1, taken from EN 54-20:2006 and LPCB/VdS Agreement Document AD EN 54-20 on the first submission.</p>												
<p><b>PRODUCT APPLICATION GUIDELINE (END USE)</b> (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.</p> <p><i>P. Malligam</i> BRE GLOBAL LTD. BUCKNALLS LANE WATFORD WD25 9XX, UK</p>	<p>This category covers smoke-automatic fire detectors employing a special construction different from conventional detectors and designed to detect products of combustion in a specific location. These detectors are not intended as a substitute for open-area protection. These detectors are intended to be installed in accordance with the manufacturer's installation instructions, in a manner acceptable to the Authority Having Jurisdiction and in accordance with ANSI / NFPA 72, "National Fire Alarm and Signaling Code", or other NFPA Standards that may apply, such as for extinguishing system applications. The sensitivity rating of the detector should be taken into consideration with regard to installation in an area to be protected under operating conditions to guard against false alarms. The detectors may be connected to the initiating-device circuits of certified control units that provide audible-alarm signals, or employed as part of an extinguishing system.</p> <p>This category also covers smoke-automatic fire detectors employing a special construction that are capable of receiving in-service firmware revisions. The approved firmware release levels are identified in the individual certifications. The products provide a means for identifying the current firmware version of the unit.</p> <p>Authorities Having Jurisdiction should be consulted before installation.</p>												



Laboratory and Certification body details			
<b>NAME OF CERTIFICATION BODY</b>	BRE Global Ltd.	<b>NAME OF TEST FACILITY</b>	BRE Global Ltd.
<b>CERTIFICATION BODY ADDRESS / REGION</b> <small>(STREET / TOWN / CITY / COUNTRY)</small>	Bucknalls Lane Garston Watford WD25 9XX United Kingdom	<b>TEST FACILITY ADDRESS / REGION</b> <small>(STREET / TOWN / CITY / COUNTRY)</small>	Bucknalls Lane Garston Watford WD25 9XX United Kingdom
<b>WEBSITE</b>	www.breglobal.com	<b>WEBSITE</b>	www.breglobal.com
<b>TEL</b>	+44 (0)333 321 88 11	<b>TEL</b>	+44 (0)333 321 88 11
<b>EMAIL</b>	BREGlobalEnquiries@bre.co.uk	<b>EMAIL</b>	BREGlobalEnquiries@bre.co.uk
<b>ACCREDITED BY</b> <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)</small>	UKAS www.ukas.com	<b>ACCREDITED BY</b> <small>(NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)</small>	UKAS www.ukas.com
<b>AS PER</b> <small>(STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)</small>	EN45011: 1998 / ISO 17065: 2012	<b>AS PER</b> <small>(STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)</small>	ISO 17025: 2005
<b>VALIDITY</b> <small>(EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)</small>	N/A	<b>VALIDITY</b> <small>(EXPIRY DATE OF LABORATORY ACCREDITATION)</small>	N/A
<b>REFERENCE NUMBER:</b> <small>(CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	0007	<b>REFERENCE NUMBER:</b> <small>(THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)</small>	0578
<b>CERTIFICATION MARK</b>	  BRE GLOBAL LTD. BUCKNALLS LANE WATFORD WD25 9XX, UK		





(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Joanna Wyrwich	SIGNATURE	
EMAIL / TEL	<a href="mailto:Joanna.wyrwich@carrier.com">Joanna.wyrwich@carrier.com</a> +48 17 22 10 225	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	P Halligan BRE Global Ltd.	SIGNATURE	
EMAIL / TEL	BREGlobalEnquiries@bre.co.uk +44 (0)333 321 88 11	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)