Date : 14 April 2023

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	TE-P115398-1000	**CERTIFICATE NUMBER**	164g
DATE OF ISSUE	13 March 2020	**DATE OF ISSUE**	9 February 2022
DATE OF EXPIRY	N/A	**DATE OF EXPIRY**	N/A
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Hochiki Europe (UK) Limited	**NAME OF THE BRAND**	HFP Hochiki Europe
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Grosvenor Road Gillingham Business Park Gillingham Kent ME8 0SA United Kingdom	**MODEL / NO**	**Smoke Detectors** SOC-E-IS SOC-E-IS(WHT) **Bases:** YBN-R/4IS YBN-R/4(WHT)-IS
WEBSITE	www.hochikieurope.com	**LOGO ON THE PRODUCT**	HOCHIKI
TEL	+44 (0)1634 260133	**EMAIL**	info@hochikieurope.com

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BUCKNALLS LANE
WATFORD
WD25 9XX, UK

Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	SOC-E-IS – Conventional Optical Smoke Detector – Ivory Plastic (YBN-R/4IS) – 164g/10 SOC-E-IS(WHT) – Conventional Optical Smoke Detector – White Plastic (YBN-R/4(WHT)-IS) – 164g/10 **Bases** YBN-R/4IS – Remote indicator base YBN-R/4(WHT)-IS – Remote indicator base white	
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	EN 54-7:2000 + A1:2002 + A2:2006 – Test Report EN 54-7:2018 Certificate standard has been updated but no further testing was required.	
TEST DESCRIPTION	The object of this evaluation was to assess the performance of the Hochiki Europe (UK) Ltd., SOC-E-IS intrinsically safe smoke detectors for compliance with the requirements of selected Clause's from EN 54-7:2000 + A1:2002 + A2:2006, and LPCB/VdS AD EN 54-7 when used with a YBN-R/4(IS) base and galvanic barrier.	Page 3
SPECIFICATION OF TEST SPECIMEN	**Equipment**	Page 4

No.	Description	Receipt date
20	SOC-E-IS (WHT) Conventional Optical Smoke Detector – White plastic.	26/05/2019
10	SOC-E-IS Conventional Optical Smoke Detector – Ivory plastic.	08/08/2019
1	Model CP-8T, 8 Zone Conventional Fire Alarm Control Panel	26/05/2019
1	Galvanic Barrier	26/05/2019

TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)

SOC-E-IS (WHT) — Page 8

EN 54-7:2000 Clause – Title/Test	Comments	Result
4.2 – Individual alarm indication	Visible from 6m at 500 lumens.	Pass
4.3 – Ancillary device connection	Adequate provision for ancillary devices was provided.	Pass
4.4 – Monitoring of detectors	Fault signal when detector is detached.	Pass
4.5 – Manufacturer's adjustments	Special tools required	Pass
4.6 – On-site adjustment	It was not possible to adjust the setting of the device on-site	Pass
4.7 – Ingress of foreign bodies	It was not possible for a 1.3mm sphere to pass into the smoke chamber.	Pass
4.8 – Slowly developing fires	See Section 6.1 of this test report	Pass
4.9 – Marking	See Section 6.2 of this test report	Pass
4.10 – Data	See Section 6.3 of this test report	Pass
4.11 – Requirements for software-controlled detectors	Refer to test report SW-P115398-1000	Pass

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WD25 9XX, UK
164g & 164g/10

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			Maximum RTV dB/m	Minimum RTV dB/m	Ratio	Result
5.2 – Repeatability			0.23	0.19	1.21	Pass
5.3 – Directional dependence			0.20	0.16	1.25	Pass
5.4 – Reproducibility	(Ratio 1)	Mean RTV	0.24	-	1.33	Pass
	(Ratio 2)	0.18	-	0.13	1.38	
5.5 – Variation in supply Range = 12V to 30V			0.14	0.13	1.08	Pass
5.6 – Air movement		0.2m/s	0.15	0.14	1.21	Pass
		1.0m/s	0.12	0.12		
5.7 – Dazzling			0.15	0.10	1.50	Pass
			0.14	0.12	1.17	
5.8 – Dry heat (operational)			0.20	0.15	1.33	Pass
5.9 – Cold (operational)			0.15	0.13	1.15	Pass
5.10 – Damp heat steady state (operational)			0.14	0.12	1.17	Pass
5.11 – Damp heat steady state (endurance)			0.17	0.15	1.13	Pass
5.12 – Sulphur dioxide corrosion (endurance)			0.17	0.13	1.31	Pass
5.13 – Shock (operational)			0.18	0.14	1.29	Pass
5.14 – Impact (operational)			0.19	0.13	1.46	Pass
5.15 & 5.16 – Vibration (operational & endurance)			0.19	0.13	1.46	Pass
5.17a – Electrostatic discharge (operational)			0.19	0.15	1.27	Pass
5.17b – Radiated electromagnetic fields (operational)			0.19	0.17	1.12	Pass
5.17c – Conducted disturbances (operational)			0.18	0.15	1.20	Pass
5.17d – Fast transient bursts (operational)			0.19	0.15	1.27	Pass
5.17e – Slow high energy surge (operational)			0.19	0.15	1.27	Pass
5.18 – Fire sensitivity			See Section 6.7 of this test report			Pass

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SOC-E-IS

EN 54-7:2000 Clause – Title/Test			Comments			Result
4.9 – Marking			See Section 8.2 of this test report			Pass
4.10 – Data			See Section 8.3 of this test report			Pass
4.11 – Requirements for software-controlled detectors			Refer to test report SW-P115398-1000			Pass
			Maximum RTV dB/m	Minimum RTV dB/m	Ratio	Result
5.4 – Reproducibility	(Ratio 1)	Mean RTV	0.20	-	1.33	Pass
	(Ratio 2)	0.15	-	0.11	1.36	

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WD25 9XX, UK

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. BRE GLOBAL LTD. BUCKNALLS LANE WATFORD WD25 9XX, UK	**2-3-0-2853 Installation Instructions** Hochiki range of products are designed specifically for installation within industrial or commercial applications. To operate products, they will require use of approved and appropriately supported control indicating equipment (control panel). Any installation must be completed in accordance with approval, technical & local authority requirements. Deviation from any such requirements is not approved by Hochiki. Hochiki recommends installation by appropriately qualified, skilled or experienced individuals only.	

Laboratory and Certification body details			
NAME OF CERTIFICATION BODY	BRE Global Ltd.	**NAME OF TEST FACILITY**	BRE Global Ltd.
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Bucknalls Lane Garston Watford WD25 9XX United Kingdom	**TEST FACILITY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY)	Bucknalls Lane Garston Watford WD25 9XX United Kingdom
WEBSITE	https://www.bregroup.com/about-us/bre-global/	**WEBSITE**	https://www.bregroup.com/about-us/bre-global/
TEL	+44 (0)333 321 88 11	**TEL**	+44 (0)333 321 88 11
EMAIL	BREGlobalEnquiries@bregroup.com	**EMAIL**	BREGlobalEnquiries@bregroup.com
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	UKAS www.ukas.com	**ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	UKAS www.ukas.com
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	EN45011: 1998 / ISO 17065: 2012	**AS PER** (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO 17025: 2017
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	N/A	**VALIDITY** (EXPIRY DATE OF LABORATORY ACCREDITATION)	N/A
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	0007	**REFERENCE NUMBER:** (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	0578
CERTIFICATION MARK	LOSS PREVENTION CERTIFICATION BOARD LPCB		BRE GLOBAL LTD. BUCKNALLS LANE WATFORD WD25 9XX, UK

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Shane Bartlett	**SIGNATURE**	
EMAIL / TEL	sbartlett@hochikieurope.com / 01634 266543	**FACTORY OFFICIAL SEAL**	HOCHIKI EUROPE (U.K.) LIMITED Grosvenor Road, Gillingham Business Park Gillingham, Kent ME8 0SA England
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	BRE Global Ltd. P Halligan	**SIGNATURE**	
EMAIL / TEL	BREGlobalEnquiries@bregroup.com +44 (0)333 321 88 11	**CERTIFICATION BODY OFFICIAL SEAL**	BRE GLOBAL LTD BUCKNALLS LANE WATFORD WD25 9XX, UK
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)**