Date : 20 January 2022

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	TE-P105185-1001 TE-P115346-1000 Part 3 of 3	**CERTIFICATE NUMBER**	164w
DATE OF ISSUE	25 January 2017 9 November 2021	**DATE OF ISSUE**	18 January 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
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Grosvenor Road Gillingham Business Park Gillingham Kent ME8 0SA United Kingdom	**MODEL / NO**	**Multi-Criteria Detectors** ACC-E(WHT) ACC-E(HFP)
WEBSITE	www.hochikieurope.com	**LOGO ON THE PRODUCT**	HFP
TEL	+44 (0)1634 260133	**EMAIL**	info@hochikieurope.com

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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)		N/A

ACC-E(WHT)	Intelligent Analogue Addressable Multi-criteria Detector (YBN-R/3, YBO-BS, YBN-R/3(SCI), YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL and YBO-BSB2(WHT)/RL bases) Note: Certificated at the following modes: Mode 0 – Thermally enhanced smoke detector at 2% and 4.5% sensitivity Mode 1 – Optical smoke detector at 2% and 4.5% sensitivity Mode 2 – Fixed temperature heat detector at class A1 & C	164w/01
ACC-E(HFP)	Intelligent Analogue Addressable Multi-criteria Detector (YBN-R/3, YBO-BS, YBN-R/3(SCI), YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL and YBO-BSB2(WHT)/RL bases) Note: Certificated at the following modes: Mode 0 – Thermally enhanced smoke detector at 2% and 4.5% sensitivity Mode 1 – Optical smoke detector at 2% and 4.5% sensitivity Mode 2 – Fixed temperature heat detector at class A1 & C	164w/01

Bases

YBN-R/3	Addressable detector base
YBO-BS	Base sounder
YBN-R/3(SCI)	Short circuit isolator base
YBO-BSB2/WL	Base Sounder Beacon (White LED)
YBO-BSB2(WHT)/WL	Base Sounder Beacon (White LED)
YBO-BSB2/RL	Base Sounder Beacon (Red LED)
YBO-BSB2(WHT)/RL	Base Sounder Beacon (Red LED)

TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	**P105185** EN 54-5:2000 + A1:2002 EN 54-7:2000 + A1:2002 + A2:2006 CEA 4021:2003 **P115346** EN 54-5:2000 + A1:2002 EN 54-7:2000 + A1: 2002 + A2: 2006 The below Standards have been updated during P120352, but no further testing was required: EN 54-5:2017 + A1:2018	Page 5

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	EN 54-7:2018	
TEST DESCRIPTION	**P105185** The object of this evaluation was to assess the performance of the Hochiki Europe UK, models ACC-E (WHT), ACC-EN (WHT), ACC-EN,ATJ-E(WHT), ATJ-EN(WHT), ATJ-EN intelligent Analogue Addressable Multi-criteria detector and Class P Heat detectors for compliance with the requirements of a reduced series of test from EN 54-5:2000 + A1:2002 , EN 54-7:2000 + A1:2002 + A2:2006 and LPCB/VdS AD EN 54-7 , LPCB/VdS AD EN 54-5 and CEA 4021:2003-07 when used with YBN-R/3 Base. The following models are to be approved as part of this assessment **P115346** The object of this evaluation was to assess the performance of the ACC-E(WHT), ACC-EN, ACC-EN(WHT) multi-criteria detectors and the ATJ-E(WHT), ATJ-EN, ATJ-EN(WHT), ATJ-EN(BLK) heat detectors for compliance with the requirements of EN 54-5:2000+A1 and EN 54-7:2000+A1+A2 when used with YBN-R/3(WHT)-SCI bases.	Page 5 Page 5
SPECIFICATION OF TEST SPECIMEN	**P105185**	Page 6

Equipment		
No.	**Description**	**Receipt date**
20	Hochiki ACC-EN Analogue Multi Sensor	17/10/2016
20	Hochiki ACC-E (WHT) Intelligent Multi-sensor	19/10/2016
16	ATJ-EN Intelligent Heat Sensor	19/10/2016
16	ATJ-E Intelligent Heat Detector	20/10/2016
10	YBN-R/3 Sensor Base	19/10/2016

P115346 Page 6

Submission 1

Equipment		
Qnty.	**Description**	**Receipt date**
22	ACC-E(WHT)	03/12/2019
22	ACC-EN(WHT)	03/12/2019
15	ACC-EN(BLK)	03/12/2019
15	ATJ-E(WHT)	03/12/2019

Submission 2

Equipment		
Qnty.	**Description**	**Receipt date**
22	ACC-E(WHT)	17/08/2020
22	ACC-EN(WHT)	17/08/2020

Submission 3

Equipment		
Qnty.	**Description**	**Receipt date**
22	ACC-E(WHT)	27/04/2021
22	ACC-EN(WHT)	27/04/2021

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

P105185 Page 10

ACC-E (WHT)

EN 54-7 - 2% Sensitivity Mode 0

EN 54-7:2000 Clause – Title/Test	Comments	Result
4.9 – Marking	See Section 6.1 of this test report	Pass
4.10 – Data	See Section 6.2 of this test report	Pass

			Maximum RTV dB/m	Minimum RTV dB/m		
5.4 – Reproducibility	(Ratio 1)	Mean RTV	0.12	-		
	(Ratio 2)	0.098	-	0.08	1.29	
5.17b – Radiated electromagnetic fields (operational)			0.104	0.102	1.02	Pass
5.17c – Conducted disturbances (operational)			0.104	0.102	1.02	Pass
5.17d – Fast transient bursts (operational)			0.104	0.102	1.02	Pass

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Grosvenor Road, Gillingham Business Park
Gillingham, Kent ME8 0SA England

EN 54-7 – 4.5% Sensitivity Mode 0 Page 14

EN 54-7:2000 Clause – Title/Test						
			Maximum RTV dB/m	Minimum RTV dB/m	Ratio	Result
5.4 – Reproducibility	(Ratio 1)	Mean RTV	0.22	-	1.17	Pass
	(Ratio 2)	0.194	-	0.18	1.08	

EN 54-7 – 4.5% Sensitivity Mode 1 Page 17

EN 54-7:2000 Clause – Title/Test						
			Maximum RTV dB/m	Minimum RTV dB/m	Ratio	Result
5.4 – Reproducibility	(Ratio 1)	Mean RTV	0.21	-	1.14	Pass
	(Ratio 2)	0.184	-	0.174	1.05	
5.18 – Fire sensitivity			See Section Error! Reference source not found. of this test report			Pass

EN 54-5 (Mode 2 Class A1) Page 21

EN 54-5:2000 Clause – Title/Test	Comments	Result
4.9 – Marking	See Section Error! Reference source not found. of this test report	Pass
4.10 – Data	See Section Error! Reference source not found. of this test report	Pass
5.8 – Reproducibility	See Section Error! Reference source not found. of this test report	Pass

	Rate of rise	Response time before test mm:ss	Response time after test mm:ss	Change in response mm:ss	Result
5.18b – Radiated electromagnetic	3°C/min	11:26	11:40	00:14	Pass
	20°C/min	01:48	02:04	00:16	Pass

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fields (operational)						
5.18c – Conducted disturbances (operational)	3°C/min	11:26	11:40	00:14	Pass	
	20°C/min	01:48	02:04	00:16	Pass	
5.18d – Fast transient bursts (operational)	3°C/min	11:26	11:40	00:14	Pass	
	20°C/min	01:48	02:04	00:16	Pass	Page 26

CEA 4021:2003-07

CEA 4021:2003-07 Clause – Title/Test	Comments	Result
4.3.6 Documentation	-	Pass

P115346 Page 13

ACC-E(WHT) Class A1

EN 54-5

EN 54-5:2000 Clause – Title/Test	Comments	Result
4.9 – Marking	See Section 6.1 of this test report	Pass
4.10 – Data	See Section 6.2 of this test report	Pass

Page 16

EN 54-7

EN 54-7:2000 Clause – Title/Test			Comments			Result
4.9 – Marking			See Section 8.1 of this test report			Pass
4.10 – Data			See Section 8.2 of this test report			Pass
			Maximum RTV dB/m	Minimum RTV dB/m	Ratio	Result
5.4 – Reproducibility	(Ratio 1)	Mean RTV	0.22	-	1.01	Pass – Sub 3[1]
	(Ratio 2)	0.202	-	0.18	1.12	

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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.

2-3-0-246 - 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		

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(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Richard Anderson	**SIGNATURE**	Digitally signed by Richard Anderson Date: 2022.02.02 19:47:36
EMAIL / TEL	randerson@hochikieurope.com +44 (0) 1634 266544 +44 (0)7970 764 568	**FACTORY OFFICIAL SEAL**	HOCHIKI EUROPE (UK) 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 U.K.
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)**