Date : 15 April 2021

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	TE-P117914-1000	**CERTIFICATE NUMBER**	164h
DATE OF ISSUE	9 April 2021	**DATE OF ISSUE**	15 April 2021
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**	**Alarm Warning Devices** YBO-BS2 YBO-BS2(WHT) YBO-BS2(BLK) YBO-BS2(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

Certified Product	Description	LPCB Ref.No.
YBO-BS2	Intelligent Analogue Addressable Type A Base Sounder - Ivory Version (YBV-R/4 base) Note: 1. Meets the requirements of EN 54-3 for all 56 tones	164h/06
YBO-BS2(WHT)	Intelligent Analogue Addressable Type A Base Sounder - White Version (YBV-R/4(WHT) base) Note: 1. Meets the requirements of EN 54-3 for all 56 tones	164h/06
YBO-BS2(BLK)	Intelligent Analogue Addressable Type A Base Sounder - Black Version (YBV-R/4(BLK) base) Note: 1. Meets the requirements of EN 54-3 for all 56 tones	164h/06
YBO-BS2(HFP)	Intelligent Analogue Addressable Type A Base Sounder - White Version (YBV-R/4(WHT) base) Note: 1. Meets the requirements of EN 54-3 for all 56 tones	164h/06

Approved Tones
1 – 925 Hz : 250 ms / 628 Hz : 250 ms
2 – 925 Hz Continuous
3 – 628 Hz Continuous
4 – (French) 554 Hz : 100 ms / 440 Hz : 400 ms
5 – (Swedish) 660 Hz : 150 ms / Off : 150 ms
6 – 925 Hz : 150 ms / Off : 600 ms
7 – 670 Hz : 250 ms / 845 Hz : 370 ms
8 – Whoop 500 Hz – 1200 Hz : 3000 ms / Off : 500 ms
9 – 1200 Hz : 500 ms / 500 Hz : 500 ms
10 – 970 Hz : 500 ms / Off : 500 ms
11 – Sweep 800 Hz – 970 Hz over 140 ms (7 Hz)
12 – Sweep 800 Hz – 970 Hz over 1000 ms (1 Hz)
13 – Sweep 800 Hz – 970 Hz over 20 ms (50 Hz)
14 – Sweep 2400 Hz – 2850 Hz over 140 ms (7 Hz)
15 – Sweep 2400 Hz – 2850 Hz over 1000 ms (1 Hz)
16 – Sweep 300 Hz – 1200 Hz over 1000 ms (1 Hz)
17 – ISO8201 : 970 Hz : 500 ms / Off : 500 ms
18 – ISO8201 : 2850 Hz : 500 ms / Off : 500 ms
19 – 800 Hz : 250 ms / 970 Hz : 250 ms
20 – 2850 Hz Continuous
21 - 2400 Hz : 250 ms / 2850 Hz : 250 ms
22 - 800 Hz : 500 ms / 970 Hz : 500 ms
23 - 2850 Hz : 500 ms / Off : 500 ms
24 - 925 Hz : 250 ms / Off : 1000 ms
25 - 970 Hz Continuous
26 - 660 Hz : 1800 ms / Off: 1800 ms
27 - 660 Hz : 6500 ms / Off : 13000 ms
28 - 660 Hz Continuous
29 - 554 Hz : 500 ms / 440 Hz : 500 ms
30 - 660 Hz : 500 ms / Off : 500 ms
31 - 2850 Hz : 150 ms / Off : 100 ms
32 - Sweep 2400 Hz - 2850 Hz over 20 ms (50 Hz)
33 - Sweep 800 Hz - 970 Hz over 500 ms (2 Hz)
34 - 988 Hz : 250 ms / 645 Hz : 250 ms
35 - 510 Hz : 250 ms / 610 Hz : 250 ms
36 - Sweep 800 Hz - 970 Hz over 110 ms (9 Hz)

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	37 - Sweep 800 Hz - 970 Hz over 330 ms (3 Hz) 38 - 845 Hz Continuous 39 - 970 Hz : 1000 ms / Off : 1000 ms 40 - 800 Hz : 150 ms / 970 Hz : 150 ms 41 - Sweep 2400 Hz - 2850 Hz over 110 ms (9 Hz) 42 - Sweep 2400 Hz - 2850 Hz over 330 ms (3 Hz) 43 - 2850 Hz : 1000 ms / Off : 1000 ms 44 - 2400 Hz : 150 ms / 2850 Hz : 150 ms 45 - (German) Whoop 1200 Hz - 500 Hz : 1000ms / Off : 10 ms 46 - 440 Hz : 600 ms / Off : 600 ms 47 - Whoop 500 Hz - 1200 Hz : 3750 ms / Off : 250 ms 48 - ISO8201 : 925 Hz, 628 Hz : 250 ms / Off 500 ms 49 - ISO8201 : Sweep 300 Hz - 1200 Hz : 500 ms / Off : 500 ms 50 - ISO8201 : Sweep 1200 Hz - 300 Hz : 500 ms / Off : 500 ms 51 - Whoop 500-1200 3500 ms / Off 500 ms 53 - Marine 1000Hz (1s on, 1s off)x7 + (7s on, 1s off) 54 - Whoop 1200 Hz – 500 Hz : 1000ms 55 - Ramp up 150 Hz – 1000 Hz : 10s. 1000 Hz 40s. Ramp down 1000 Hz – 150 Hz: 10s. 56 - 725 Hz Continuous 57 - 725 Hz : 700 ms / Off : 300 ms **Bases** YBV-R/4 Standard Base YBV-R/4(WHT) Standard Base YBV-R/4(BLK) Standard Base	
TEST STANDARD **(SUCH AS ASTM/BS EN/ DN ETC)**	EN 54-3:2001 + A1:2002 + A2:2006	Page 11
TEST DESCRIPTION	The object of this evaluation was to assess the performance of the Hochiki Europe (UK) Ltd, YBO-BS2 Sounder and YBO-BSB3 Sounder Beacon Ranges for compliance with the requirements of EN 54-3:2001 + A1:2002 + A2:2006, EN 54-17:2005 and EN 54-23:2010, LPCB/VdS AD EN 54-3 and LPCB/VdS AD EN 54-17.	Page 11

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SPECIFICATION OF TEST SPECIMEN

Page 13

First submission

Equipment submitted for testing			
Quantity	Description		Receipt date
14	YBO-BSB3(BLK)/RL-SCI	Intelligent Analogues Addressable Type A Base Sounder Beacon (Red LED) Beacon with Short Circuit Isolator - Black Version	04/08/2020
14	YBN-R/3	Base	04/08/2020
8	YBO-BSB3(WHT)/RL	Intelligent Analogue Addressable Type A Base Sounder Beacon (Red LED) Beacon. - White Version	04/08/2020
4	YBO-BSB3/WL(SCI)	Intelligent Analogue Addressable Type A Base Sounder with Short Circuit Isolator - White Version	04/08/2020
8	YBO-BSB3(BLK)/WL-SCI	Intelligent Analogues Addressable Type A Base Sounder Beacon White LED) Beacon with Short Circuit Isolator - Black Version	04/08/2020
8	YBO-BSB3(BLK)/WL	Intelligent Analogue Addressable Type A Base Sounder Beacon (White LED) Beacon. - Black Version	04/08/2020
8	YBO-BSB3/RL(SCI)	Intelligent Analogues Addressable Type A Base Sounder Beacon (Red LED) Beacon with Short Circuit Isolator - Ivory Version	04/08/2020
8	YBO-BSB3/WL	Intelligent Analogue Addressable Type A Base Sounder Beacon (White LED) Beacon. - Ivory Version	04/08/2020
4	YBO-BSB3/RL	Intelligent Analogue Addressable Type A Base Sounder Beacon (Red LED) Beacon. - Ivory Version	04/08/2020
8	ACC-EN	Multi Sensor	04/08/2020
8	ACC-EN(WHT)	Multi Sensor	04/08/2020
8	ACC-EN(BLK)	Multi Sensor	04/08/2020
8	YBN-R/3(WHT)	Base	04/08/2020
8	YBN-R/3	Base	04/08/2020
8	YBN-R/3(WHT)-SCI	Base	04/08/2020
8	YBV-R/4	Base	04/08/2020
8	YBN-R/3(BLK)SCI	Base	04/08/2020
8	YBV-R/4(WHT)	Base	04/08/2020
1	YBO-BSB3/RL(SCI)	Intelligent Analogues Addressable Type A Base Sounder Beacon (Red LED) Beacon with Short Circuit Isolator - Ivory Version	17/08/2020
8	YBO-BSB3(BLK)/RL	Intelligent Analogue Addressable Type A Base Sounder Beacon (Red LED) Beacon. - Black Version	17/08/2020
8	YBO-BSB3(WHT)/WL	Intelligent Analogue Addressable Type A Base Sounder Beacon (White LED) Beacon. - White Version	17/08/2020
8	YBO-BS2	Intelligent Analogue Addressable Type A Base Sounder -Ivory Version	17/08/2020
8	YBO-BS2(SCI)	Intelligent Analogue Addressable Type A Base Sounder with Short Circuit Isolator - Ivory Version	17/08/2020
8	YBO-BSB3(WHT)/RL-SCI	Intelligent Analogues Addressable Type A Base Sounder Beacon (Red LED) Beacon with Short Circuit Isolator - White Version	17/08/2020
8	YBO-BSB3(WHT)/WL-SCI	Intelligent Analogues Addressable Type A Base Sounder Beacon (White LED) Beacon with Short Circuit Isolator - White Version	17/08/2020

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

Page 32

YBO-BS2
EN 54-3

EN 54-3:2001 + A1:2002 + A2:2006 Clause – Title/Test	Comments	Result
4.6.1 – Marking	See Section 6.1 of this test report	Pass
4.6.2 – Data	See Section 6.2 of this test report	Pass

YBO-BS2(WHT)
EN 54-3

Page 35

EN 54-3:2001 + A1:2002 + A2:2006 Clause – Title/Test	Comments				Result
4.6.1 – Marking	See Section 8.1 of this test report				Pass
4.6.2 – Data	See Section 8.2 of this test report				Pass
5.2 – Reproducibility	See Section 8.3 of this test report				Pass
	Measurements				Result / submission
	Clause 5.2 Reproducibility	Final 15 mins	After conditioning	Difference	
5.16.2.1b – Radiated electromagnetic fields (op)	113.1 dB(A)	–	108.9 dB(A)	4.2 dB(A)	Pass
5.16.2.1c – Conducted disturbances induced by electromagnetic fields (op)	113.1 dB(A)	–	108.9 dB(A)	4.2 dB(A)	Pass

YBO-BS2(BLK)
EN 54-3

Page 40

EN 54-3:2001 + A1:2002 + A2:2006 Clause – Title/Test	Comments	Result
4.6.1 – Marking	See Section 11.1 of this test report	Pass
4.6.2 – Data	See Section 11.2 of this test report	Pass

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.

2-3-0-2957 - 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.

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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	www.breglobal.com	**WEBSITE**	www.breglobal.com
TEL	+44 (0)333 321 88 11	**TEL**	+44 (0)333 321 88 11
EMAIL	BREGlobalEnquiries@bre.co.uk	**EMAIL**	BREGlobalEnquiries@bre.co.uk
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: 2005
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: 2021.04.27 13:05:16 +01'00'
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**	BRE GLOBAL LTD. BUCKNALLS LANE WATFORD WD25 9XX, UK
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)**