Date : 13 June 2023

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	TE289409 P101096-1001 P103234-1001	**CERTIFICATE NUMBER**	358c-(cl-3)
DATE OF ISSUE	17 December 2013 15 January 2016 10 October 2016	**DATE OF ISSUE**	18 January 2022
DATE OF EXPIRY	N/A	**DATE OF EXPIRY**	N/A
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Hochiki America Corporation	**NAME OF THE BRAND**	Hochiki Europe (UK) Limited
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	7051 Village Drive, Suite 100, Buena Park, California 90621, USA	**MODEL / NO**	ALN-EN SOC-E3N SOC-E3N(WHT) SOC-E3(WHT)
WEBSITE	www.hochikiamerica.com	**LOGO ON THE PRODUCT**	HOCHIKI
TEL	714-522-2246	**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)	ALN-EN	Intelligent Analogue Addressable Optical Smoke Detector (YBN-R/3(SCI), YBN-R/3, YBO-BS, YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL and YBO-BSB2(WHT)/RL bases) Note: 1. Meets the requirements of EN 54-7 in low and high sensitivity settings.	358c/07	
	ALN-E(HFP)	Intelligent Analogue Addressable Optical Smoke Detector (White) (YBN-R/3(SCI), YBN-R/3, YBO-BS, YBO-BSB2/WL, YBO-BSB2(WHT)/WL, YBO-BSB2/RL and YBO-BSB2(WHT)/RL bases) Note: 1. Meets the requirement of EN 54-7 in low and high sensitivity settings.	358c/08	
	SOC-E3N	Conventional Optical Smoke Detector (YBN-R/6, YBN-R/6SK, YBO-R/6R, YBO-R/6RS, YBO-R/6RN & YBO-R/6PA bases)	358c/09	
	SOC-E3N(WHT)	Conventional Optical Smoke Detector (White) (YBN-R/6, YBN-R/6SK, YBO-R/6R, YBO-R/6RS, YBO-R/6RN & YBO-R/6PA bases)	358c/09	
	SOC-E3(WHT)	Conventional Optical Smoke Detector (White) (YBN-R/6, YBN-R/6SK, YBO-R/6R, YBO-R/6RS, YBO-R/6RN & YBO-R/6PA bases)	358c/10	
	SOC-E3(HFP)	Conventional Optical Smoke Detector (White) (YBN-R/6, YBN-R/6SK, YBO-R/6R, YBO-R/6RS, YBO-R/6RN & YBO-R/6PA bases)	358c/10	
	Bases YBN-R/3 — Standard base YBO-BS — Sounder base YBN-R/6 — Standard base YBN-R/6SK — Standard base with schottky diode YBO-R/6R — Relay base YBO-R/6RS — Relay base latching with schottky diode YBO-R/6RN — Relay base non latching YBO-R-6PA — Protector alarms base 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)	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.			

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TEST DESCRIPTION	TE289409 - 358c/07 The object of this evaluation was to assess the performance of the Hochiki Europe UK Ltd, ALN-EN analogue addressable point photoelectric smoke detector for compliance with the requirements of a reduced series of tests taken from EN 54-7:2000 when used with YBN-R/3(SCI) mounting base. The purpose of this evaluation is to add the additional manufacturing location detailed in Section 1.6. The results detailed in this test report were compared to the results detailed in test report TE277796 for model ALN-E. The ALN-EN is a modified version of the ALN-E, where the design for the top cover was slightly modified as detailed in test report TE280668. Therefore, reduced testing was requested.	Page 5
	P101096-1001 - 358c/08 The object of this evaluation was to assess the performance of the Hochiki America Corporation, ALN-E(WHT) Intelligent Analogue Addressable Optical Smoke Detector to EN 54-7:2000 + A1:2002 + A2:2006 when used with the YBN-R/3(SCI) Short Circuit Isolator Base, following various modifications together with the introduction of a new manufacturing site. The detectors will be tested for Reproducibility at two sensitivities, 2.0% and 4.5%. Testing has been reduced due to the modifications Hochiki America Corporation, USA made to the original product evaluated under LCPB test schedule E123535-1.0 test report TE277796	Page 3
	P103234-1001 - 358c/09/10 The object of this evaluation was to assess the performance of the Hochiki Europe (UK) Ltd models SOC-E3N, SOC-E3N (WHT) and SOC-E3 (WHT) conventional optical smoke detectors for compliance with the requirements of EN 54-7:2000 + A1:2002 + A2:2006 when used with a YBN-R/6 standard base. Reduced testing was performed on the SOC-E3N (WHT) and SOC-E3 (WHT) when compared to SOC-E3N, as they share the identical smoke chamber, photodiode, software, height of smoke entry, PCB layout and one default sensitivity setting. The SOC-E3N and SOC-E3N (WHT) have the same mechanical construction, but differ in colour only, the SOC-E3 (WHT) is similar to the SOC-E3N and SOC-E3N (WHT) but has a different outer cover. Additional EMC testing was also carried out in order to meet the requirements of LPCB/VdS Agreement Document AD EN54-7 Revision 2: 2012.	Page 4

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SPECIFICATION OF TEST SPECIMEN

TE289409 358c/07

Equipment		
No.	**Description**	**Receipt date**
20	Hochiki Europe UK Ltd, ALN-EN analogue addressable point photoelectric smoke detectors.	08/10/2013
10	Hochiki Europe UK Ltd, YBN-R/3(SCI) mounting bases.	08/10/2013

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Equipment		
No.	**Description**	**Receipt date**
20	ALN-E(WHT) Optical Smoke Detectors	13/07/2015
15	YBN-R/3(SCI) Short Circuit Isolating Base	13/07/2015

Second Submission

Equipment		
No.	**Description**	**Receipt date**
20	ALN-E(WHT) Optical Smoke Detectors	08/09/2015

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Equipment		
No.	**Description**	**Receipt date**
20 Off	SOC-E3N (WHT) Conventional Optical Smoke Detector	26-01-16
20 Off	SOC-E3 (HFP) Conventional Optical Smoke Detector	26-01-16
10 Off	YBN-R/6 Standard Base	26-01-16

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

TE289409 358c/07

The Hochiki Europe (UK) Ltd, ALN-EN analogue addressable point photoelectric smoke detector met the requirements of tests specified in LPCB Test Schedule E122990-1.0 taken from EN 54-7:2000 on the first submission.

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The Hochiki America Corporation ALN-E (WHT) Intelligent Analogue Addressable Optical Smoke Detector met the requirements of Clause 4.9

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	Marking, Clause 4.10 Data on the first submission, with the exception of Clause 5.4 Reproducibility at 2% and 4.5% sensitivity settings, which were met on the second submission. The tests were taken from EN 54-7: 2000 + A1: 2002, +A2: 2006 and were as specified in LPCB Test Schedule P101096-1.2. P103234-1001 3582c/09/10 The Hochiki Europe (UK) Ltd., Models SOC-E3, SOC-E3N and SOC-E3 (WHT) conventional optical smoke detectors met the requirements of tests specified in LPCB Test Schedule P103234/1.0 taken from EN 54-7:2000 + A1:2002 + A2:2006, as well as additional testing in order to meet the requirements of LPCB/VdS Agreement Document AD EN54-7 on the first submission.	
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.**	**ALN-E(WHT) – 2-3-0-246** BRE GLOBAL LTD. BUCKNALLS LANE WATFORD WD25 9XX, UK	

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 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	07866 791312	**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	P Halligan BRE Global Ltd.	**SIGNATURE**	
EMAIL / TEL	BREGlobalEnquiries@bre.co.uk +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)**