Date : 4 April 2023

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	TE229218 TE243066 TE268254 TE276893 TE268252	**CERTIFICATE NUMBER**	164p
DATE OF ISSUE	09 July 2008 23 June 2009 15 February 2013 20 December 2013 04 August 2016	**DATE OF ISSUE**	30 July 2021
DATE OF EXPIRY	N/A	**DATE OF EXPIRY**	N/A
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Hochiki Europe (UK) Ltd	**NAME OF THE BRAND**	Hochiki Europe (UK) Ltd
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Grosvenor Road Gillingham Business Park Gillingham Kent ME8 0SA United Kingdom	**MODEL / NO**	**Relay Bases & Modules** YBO-R/6R, YBO-R/6R(WHT), YBO-R/6RS, YBO-/6RS(WHT), YBO-R/6RN, YBO-/6RN(WHT), CHQ-POM, CHQ-SIM, CHQ-SOM, CHQ-ISM, CHQ-ISM/DIN, CHQ-FTM, CHQ-FTM/DIN
WEBSITE	www.hochikieurope.com	**LOGO ON THE PRODUCT**	HOCHIKI
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)	YBO-R/6R	Conventional Latching Relay Base	164p/07	
	YBO-R/6R(WHT)	Conventional Latching Relay Base – White	164p/07	
	YBO-R/6RS	Conventional Latching Relay Base with Integral Schottky Diode	164p/08	
	YBO-R/6RS(WHT)	Conventional Latching Relay Base with Integral Schottky Diode – White	164p/08	
	YBO-R/6RN	Conventional Non-Latching Relay Base	164p/09	
	YNO-R/6RN(WHT)	Conventional Non-Latching Relay Base – White	164p/09	
	CHQ-POM	Intelligent Analogue Addressable Powered Output Module	164p/10	
	CHQ-SIM	Intelligent Analogue Addressable Single Input Module	164p/11	
	CHQ-SOM	Intelligent Analogue Addressable Single Output Module	164p/12	
	CHQ-ISM	Intrinsically Safe Sounder Interface Module	164p/13	
	CHQ-ISM/DIN	Intrinsically Safe Sounder Interface Module (DIN)	164p/14	
	CHQ-FTM	Intelligent Analogue Addressable 4-20mA Input/Output Module	164p/15	
	CHQ-FTM/DIN	Intelligent Analogue Addressable 4-20mA Input/Output Module (DIN RAIL VERSION)	164p/16	
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	EN 54-18:2005			
TEST DESCRIPTION	**TE229218 - 164p/07/08/09** The object of this evaluation was to examine the construction and assess the performance of the Hochiki Europe (UK) Limited, YBO-R/6R, YBO-R/6RS and YBO-R/6RN relay bases to EN 54-18: 20051 with the addition of compatibility testing to selected parts of EN 54-			Page 5

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	5 : 20002 and EN54-7 : 20013 as specified in LPCB Test Schedule E120785/1.14 As detailed in LPCB Test Schedule E120785/1.14, testing is to be conducted in conjunction with Hochiki detectors model numbers SLR-E3, DFJ-AE3, DFJ-CE3, DCD-AE3 and DCD-CE3 and base YBO-R/6PA which are identified within this report.	
	TE243066 - 164p/10/11 The object of this evaluation was to examine the construction and assess the performance of the Hochiki Europe (UK) Limited, CHQ-POM addressable programmable output module and CHQ-SIM addressable programme input module to EN 54-18: 20051 and LPCB/VdS Agreement Document AD3.12 as specified in LPCB Test Schedule E121306/1.1.	Page 5
	TE268254 - 164p/12 The object of this evaluation was to assess the performance of the Hochiki CHQ-SOM analogue addressable, powered, single output module to EN 54-18:2005 for compliance with the requirements of EN 54-18:2005 and LPCB/VdS AD EN 54-18 Revision 2.	Page 4
	TE276893 - 164p/13/14 The object of this evaluation was to assess the performance of the Hochiki Europe (UK) Ltd., CHQ-ISM/DIN and the CHQ-ISM Intelligent analogue addressable dual IS sounder modules for compliance with the requirements of EN 54-18:2005 and LPCB/VdS Agreement document AD EN 54-18 Revision 2 28th June 2012.The CHQ-ISM/DIN and the CHQ-ISM Intelligent analogue addressable dual IS sounder modules, act as an interface between the sounder controller CHQ-DSC (SCI), and the IS Barrier MTL5561, to provide fault monitoring for two sounder lines. The setup is similar to that of modules such as the CHQ-DZM and the CHQ-PCM. Testing has been reduced on the CHQ-ISM as both models are identical with the exception of the Input/Output terminal connection and DIP switches. Selected tests are indicated in the Test Schedule E122499/1.1 and should be performed on both models due to these differences.	Page 4
	TE268252 - 164p/15/16 The object of this evaluation was to assess the performance of the Hochiki Analogue Addressable 4-20 mA input/output devices with OEM case and DIN mount, models: CHQ-FTM and CHQ-FTM/DIN for compliance with the requirements of EN 54-18:2005 and LPCB/VdS AD EN 54-18 rev 2. The devices have two separate input channels, each with a 4-20 mA range and two remote indicator outputs. The above models are used for the monitoring of gas monitors or pressure sensors etc. CHQ-FTM/DIN is technically identical to the CHQ-FTM but used with the SMB-3 enclosure when mounted.	Page 4

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TE229218 - 164p/07/08/09

SPECIFICATION OF TEST SPECIMEN

First Submission

Equipment		
No.	**Description**	**Receipt date**
12	Hochiki Europe (UK) Limited, YBO-R/6RN relay bases	15/11/2006
2	Hochiki Europe (UK) Limited, YBO-R/6R relay bases	15/11/2006
2	Hochiki Europe (UK) Limited, YBO-R/6RS relay bases	15/11/2006
2	Hochiki Europe (UK) Limited, YBO-R/6PA relay bases	15/11/2006
12	Hochiki Europe (UK) Limited, DFJ-AE3 Heat Detector	15/11/2006
2	Hochiki Europe (UK) Limited, DFJ-CE3 Heat Detector	15/11/2006
2	Hochiki Europe (UK) Limited, DCD-AE3 Heat Detector	15/11/2006
2	Hochiki Europe (UK) Limited, SLR-E3 Conventional Smoke Detectors	15/11/2006

Second Submission

Equipment		
No.	**Description**	**Receipt date**
12	Hochiki Europe (UK) Limited, YBO-R/6RN relay bases	13/10/2008
2	Hochiki Europe (UK) Limited, YBO-R/6R relay bases	13/10/2008
2	Hochiki Europe (UK) Limited, YBO-R/6RS relay bases	13/10/2008

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3	Hochiki Europe (UK) Limited, DCD-AE3 detector heads	13/10/2008
8	Hochiki Europe (UK) Limited, DFJ-AE3 detector heads	13/10/2008
2	Hochiki Europe (UK) Limited, SLR-E3N detector heads	13/10/2008

TE243066 - 164p/10/11 Page 6

Equipment		
No.	**Description**	**Receipt date**
12	Hochiki Europe (UK) Limited, CHQ-POM addressable programmable output modules.	22/09/2008
12	Hochiki Europe (UK) Limited, CHQ-SIM addressable programmable input modules.	22/09/2008
1	Hochiki Europe (UK) Limited, CHQ-POM addressable programmable output module – modified sample due to Clause 5.12.4 Radiated electromagnetic fields test failure.	11/01/2009

TE268254 - 164p/12 Page 5

Equipment submitted for testing		
No.	**Description**	**Receipt date**
12	CHQ-SOM analogue addressable, powered single output modules.	01/11/2011

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Second Submission

Equipment submitted for testing		
No.	**Description**	**Receipt date**
2	CHQ-SOM analogue addressable, powered single output modules.	03/09/2012
1	SMB-3 enclosure.	03/09/2012

TE276893 - 164p/13/14

Page 5

Equipment submitted for testing		
No.	**Description**	**Receipt date**
6	Hochiki Europe (UK) Ltd CHQ-ISM Interface IS sounder module.	10/09/12
12	Hochiki Europe (UK) Ltd CHQ-ISM/DIN Interface IS sounder module.	10/09/12
1	IS - MA1 Mini alarm sounder.	18/09/12
5	0786-CPD-21061 Banshee Excel sounder.	18/09/12
4	MTL 5561 2 channel fire and smoke detector interface.	18/09/12
2	SMB-3 ABS Enclosures.	18/09/12

Second Submission

Equipment submitted for testing		
No.	**Description**	**Receipt date**
6	Hochiki Europe (UK) Ltd CHQ-ISM/DIN Interface IS sounder module.	17/05/13
	Modified samples due to the non-compliance of Clause 5.12.4 Radiated Immunity, refer to Section 9.1 for further information.	

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TE268252 - 164p/15/16

Equipment submitted for testing		
Equipment Quantity	**Description**	**Receipt date**
12	CHQ-FTM - Analogue addressable 4-20 mA, OEM case	13/07/2014
5	CHQ-FTM/DIN- Analogue addressable 4-20 mA, DIN mount	13/07/2014
1	Hochiki PC-DCI test box	03/09/2014
2	Hochiki CHQ-FTM input test box	03/09/2014
1	Kentec 8000 fire control panel	03/09/2014

Second Submission

Equipment submitted for testing		
Equipment Quantity	**Description**	**Receipt date**
1	CHQ-FTM/DIN- Analogue addressable 4-20 mA, DIN mount	16/06/2015

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

TE229218 - 164p/07/08/09 — Page 38

As originally submitted the Hochiki relay bases Model No's. YBO-R/6RS and YBO-R/6R met the requirements of all the conducted tests specified in LPCB Test Schedule E120785/1.1 which were taken from EN 54-18:20051, EN 54-7:20013 and EN 54-5:20002.
During the testing of the original submission the Hochiki Model No. YBO-R/6RN relay base failed to meet the requirements of Clause 5.9 Impact (operational) of EN 54-18:20051.
Following modification, a full second submission test programme was conducted in which the Hochiki Models YBO-R/6RN, YBO-R/6RS and YBO-R/6R met all the requirements of the selected tests taken from EN 54-18:20051, EN 54-7:20013 and EN 54-5:20002 as specified in LPCB Test Schedule E120785/1.14.

TE243066 - 164p/10/11 — Page 29

The Hochiki Europe (UK) Limited, CHQ-POM addressable programmable output module met the requirements of a series of tests taken from EN 54-18: 20051 and LPCB/VdS Agreement Document AD3.12 as specified in LPCB Test Schedule E121306/1.1 on the first submission with the exception of Clause 5.12.4 Radiated electromagnetic fields taken from EN 54-18: 20051.

Due to the failure highlighted during Clause 5.12.4 Radiated electromagnetic fields test the manufacturer provided a modified sample with the following alterations made:

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	• Component Z4 changed from a 3.6V/ 0.2W Zenor Diode to a 5.1V/ 0.5W Zenor Diode (Hochiki Part No. 2-2-2-033). The requirements of Clause 5.12.4 Radiated electromagnetic fields taken from EN 54-18: 20051 were subsequently met on the second submission. 1.1 CHQ-SIM The Hochiki Europe (UK) Limited, CHQ-SIM addressable programmable input module met the requirements of a series of tests taken from EN 54-18: 20051 and LPCB/VdS Agreement Document AD3.12 as specified in LPCB Test Schedule E121306/1.1 on the first.	
	TE268254 - 164p/12 The Hochiki CHQ-SOM analogue addressable, powered, single output module met the requirements of tests specified in LPCB Test Schedule E122232/1.0 taken from EN 54-18:2005 and AD EN54-18, Revision 2 on the first submission, with the exception of: EN 54-18:2005 Clauses 5.9 Impact (Operational) and 5.12c Electrostatic discharge which passed on the second submission. EN 54-18:2005 Clause 5.1.4 Functional test which passed on both the first and second submissions.	Page 15
	TE276893 - 164p/13/14 The Hochiki Europe (UK) Ltd., CHQ-ISM and the CHQ-ISM/DIN Intelligent analogue addressable dual IS sounder modules both met the requirements of tests specified in LPCB Test Schedule E122499/1.1 taken from EN 54-18:2005 and LPCB/VdS Agreement document AD EN 54-18 Revision 2 28th June 2012 on the first submission, with the exception of the CHQ-ISM/DIN IS sounder module were Clause 5.12.4 Radiated Immunity was met on the second submission (refer to Section 9 for further information).	Page 19
	TE268252 - 164p/15/16 The Analogue Addressable 4-20 mA, models: CHQ-FTM and CHQ-FTM/DIN input/output devices met the requirements of tests specified in LPCB Test Schedule E122231/1.2 taken from EN 54-18:2005 on the first submission with the exception of clause 5.8 Shock (Operational). The requirements of this Clause were subsequently met second submission, refer to Section 9 for further information.	

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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.	164p/07	YBO-R/6R	2-3-0-500		
	164p/08	YBO-R/6RS	2-3-0-500		
	164p/09	YBO-R/6RN	2-3-0-500		
	164p/10	CHQ-POM	2-3-0-703-1		
	164p/11	CHQ-SIM	2-3-0-1140-2		
	164p/12	CHQ-SOM	2-3-0-1375		
	164p/13	CHQ-ISM	2-3-0-1469		
	164p/14	CHQ-ISM/DIN	2-3-0-1469		
	164p/15	CHQ-FTM	2-3-0-1362		
	164p/16	CHQ-FTM/DIN	2-3-0-1362		

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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
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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	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	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)**