Date : 09 December 2021

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	TE255345	**CERTIFICATE NUMBER**	117k
DATE OF ISSUE	17 March 2020	**DATE OF ISSUE**	30 July 2021
DATE OF EXPIRY	N/A	**DATE OF EXPIRY**	N/A
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Hochiki Corporation	**NAME OF THE BRAND**	HFP
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	141-Maehara Ejiri Kakuda-Shi Miyagi 981-15 Japan	**MODEL / NO**	**Flame Detector** DRD-E
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)	Certified Product: DRD-E Description: Conventional Class 1 IR Flame Detector (YBN-R/6SK, YBN-R/6, YBO-R/6R, YBO-R/6RN, YBO-R/6PA, YBO-R/6RS) LPCB Ref.No.: 117k/01 **Bases** YBN-R6SK Conventional Schottky diode base YBN-R/6 Conventional Standard base YBO-R/6R Conventional latching relay base YBO-R/6RN Conventional non-latching relay base YBO-R/6PA Conventional 2 wire base YBO-R/6RS Conventional latching relay base with Schottky diode	
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	EN 54-10: 2002 + A1: 2005	
TEST DESCRIPTION	The object of this evaluation was to examine the construction and assess the performance of the Hochiki Corporation DRD-E conventional flame detectors for compliance with the requirements of EN 54-10:20021 in accordance with LPCB test schedule E121800/1.22.	Page 4
SPECIFICATION OF TEST SPECIMEN	**Equipment**	Page 5
TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)	**Test Programme**	Page 8

Equipment		
No.	**Description**	**Receipt date**
8	Hochiki Corporation DRD-E conventional IR flame detectors	27 July 2009
8	YBN-R/6 Conventional standard base	27 July 2009
8	YBO-R/6RS Conventional latching relay mounting base with integral Schottky diode	21 October 2009

Test Programme	
EN 54-10 2002[1] (Clause – Title/Test)	**Pass/ Fail**
4.1 – Compliance	**Pass**
4.2 – Classification	**Pass**
4.3 – Individual alarm indication	**Pass**
4.4 – Connection of ancillary devices	**Pass**
4.5 – Monitoring of detachable detectors	**Pass**
4.6 – Manufacturer's adjustments	**Pass**
4.7 – On site adjustment of response	**Pass**
4.8 – Data	**Pass**
4.9 – Requirements for software	**N/A**
5.2 – Reproducibility	**Pass**

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5.3 – Repeatability	Pass
5.4 – Directional dependence	Pass
5.5 – Fire Sensitivity	Pass
5.6 – Dazzling	Pass
5.7 – Dry heat (operational)	Pass
5.8 – Cold (operational)	Pass
5.9 – Damp heat, cyclic (op)	Pass
5.10- Damp Heat, Steady State (endurance)	Pass
5.11 – SO_2 corrosion (endurance)	Pass
5.12 – Shock (operational)	Pass
5.13 – Impact (operational)	Pass
5.14 – Vibration (operational)	Pass
5.15 – Vibration (endurance)	Pass
5.16 – Variation in supply (op)	Pass
5.17a – Electrostatic discharge (op)	Pass
5.17b – Radiated EM fields (op)	Pass
5.17c – Conducted disturbances (op)	Pass
5.17d – Fast transient bursts (op)	Pass
5.17e – Slow voltage surge (op)	Pass
6 – Marking	Pass
Note: The YBO-R/6RS base was used for all tests.	

The Hochiki Corporation DRD-E conventional IR flame detectors met the requirements of EN 54-10:20021 as specified in LPCB test schedule E121800/1.22 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.

2-8-000-4550-151 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	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: 2022.02.22 09:21:10
EMAIL / TEL	randerson@hochikieurope.com +44 (0) 1634 266544 +44 (0)7970 764 568	**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 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)**