

EC DECLARATION OF PERFORMANCE

Issued in accordance with the Construction Products Regulation EU N° 305/2011

This is to certify that in compliance the Council Directive 305/2011 Construction Products Regulation, this declaration applies to :



Declaration Number :	2831-CPR-F1761
Product(s) :	ACD-EN, ACD-EN(WHT)
Manufacturer :	Hochiki Corporation 141-1 Maebara, Ejiri, Kakuda City, Miyagi Prefecture, 981-1521 Japan
Description :	Intelligent Analogue Addressable Multi-Criteria Detector
Intended Use :	For use in fire detection and alarm systems for buildings.

This declaration is issued under the sole responsibility of the manufacturer and we hereby declare that the product identified above meets the requirements of the following:

Standards

EN 54-5:2017 +A1 :2018	Fire detection and fire alarm systems. Heat detectors. Point heat detectors
EN 54-7:2018	Fire detection and fire alarm systems. Smoke detectors. Point detectors using scattered light, transmitted light or ionization.
for the intended uses indicated above have been determined	
(1) See Annex A for the Essential Characteristics details	
(2) See Annex B for additional performance details	

Directives

Construction Products Regulation	EU 305/2011
Please refer to separate Declaration of Conformity in respect of EU 768/2008/EC Annex III (DofC)	

EC Type Examination

Assessed by :	BRE Global Limited (Notified Body 2831) has performed type testing of the product, initial inspection of the manufacturing plant and of factory production control with continuous surveillance, assessment and evaluation of factory production control under system 1 and issued following certificate of conformity : 2831-CPR-F1761
System of Assessment	System 1
Authorised representative:	Mr Mirco Damoli, Managing Director, Hochiki Italia Srl a s.u

Please see additional conformity information on page 2.

Annex A – Essential Characteristics

Essential Characteristics	EN54-5:2017 +A1:2018 (Clause)	EN 54-7:2018 (Clause)	Performance
Operational reliability	4.2.1 to 4.2.7	4.2.1 to 4.2.8	Pass
Nominal activation conditions/Sensitivity.	4.3.1 to 4.3.6	4.3.1 to 4.3.3	Pass
Reproducibility	N/A	N/A	Pass
Additional test for suffix S point heat detectors	4.4.1 ^{Note 1}	N/A	Pass
Additional test for suffix R heat detectors	4.4.2 ^{Note 2}	N/A	Pass
Tolerance to supply voltage (variation in supply)	4.5.1	4.5	Pass
Air Movement	N/A	4.4.1	Pass
Dazzling	N/A	4.4.2	Pass
Repeatability	N/A	N/A	Pass
Rapid changes in attenuation	N/A	N/A	Pass
Performance parameters under fire conditions			
Fire sensitivity	N/A	4.6	Pass
Durability of Nominal activation			
Cold (operational)	4.6.1.1	4.7.1.1	Pass
Dry Heat (endurance)	4.6.1.2	N/A	Pass
Dry Heat (operational)	N/A	4.7.1.2	Pass
Damp heat, cyclic (operational)	4.6.2.1	N/A	Pass
Damp heat, cyclic (endurance)	N/A	N/A	Pass
Damp heat, steady state (operational)	N/A	4.7.2.1	Pass
Damp heat, steady state (endurance)	4.6.2.2	4.7.2.2	Pass
Enclosure protection	N/A	N/A	Pass
Corrosion resistance			
Sulphur dioxide (SO ₂) corrosion (endurance)	4.6.3	4.7.3	Pass
Vibration Resistance			
Shock (operational)	4.6.4.1	4.7.4.1	Pass
Impact (operational)	4.6.4.2	4.7.4.2	Pass
Vibration, sinusoidal (operational)	4.6.4.3	4.7.4.3	Pass
Vibration, sinusoidal (endurance)	4.6.4.4	4.7.4.4	Pass
Vibration (endurance)	N/A	N/A	Pass
Electrical stability			
EMC, immunity (operational)	4.6.5	4.7.5	Pass
Variation in supply	N/A	N/A	Pass

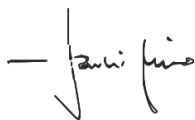
1: Suffix S Only
2: Suffix R Only

Annex B – Additional Performance Details

- Compatible with YBN-R/3, YBN-R/3(SCI), YBO-BS & YBO-BSB2 range of mounting devices.
- Meets the requirements of EN54-5 (depending on mode selected) at classes A1, A1S, A1R, C, CS, CR.
- Meets the requirements of EN54-7 (depending on mode selected) at 2% & 4% Sensitivity.
- Mode 80: Smoke & Heat (combined) (with reduced false alarm function)
- Mode 81: Smoke & Heat (combined)
- Mode 82: Smoke (with reduced false alarm function)
- Mode 83: Smoke
- Mode 87: Fixed Temp Heat, Rate of Rise Heat (Fixed level 1 – Class A1)
- Mode 88: Fixed Temp Heat, Rate of Rise Heat (Fixed level 2 – Class A1R)
- Mode 89: Fixed Temp Heat (Fixed level 3 – Class A1S)
- Mode 8A: Fixed Temp Heat, Rate of Rise Heat (Fixed level 4 – Class CR)
- Mode 8B: Fixed Temp Heat, Rate of Rise Heat (Fixed level 5 – Class CS)
- Mode 8C: Fixed Temp Heat (Fixed level 6 – Class CS)

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications.

Signed for and on behalf Hochiki Europe (UK) Limited:



Mirco Damoli
EU Authorised Representative
Hochiki Italia Srl a s.u
Verona, Italy
1st June 2023



Shane Bartlett
Compliance Manager
Hochiki Europe (UK) Ltd
Gillingham, UK
1st June 2023

Issued at Hochiki Europe (UK) Limited



The performance of the above mentioned products are in conformity with the performance and essential characteristics declared within this certificate. This declaration of conformity is issued under the sole responsibility of Hochiki Europe (UK) Ltd.

This certificate will remain valid as long as the test methods and/or factory production control requirements included in harmonized standard, used to assess performance of the declared characteristics, do not change, and the product, and the manufacturing conditions are not modified significantly.

THIS DOCUMENT IS TO BE RETAINED FOR LEGAL PURPOSES

