

# 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-F2730
Product(s) :	ACC-E(WHT)-SCI, ACC-E(HFP)-SCI
Manufacturer :	Hochiki Europe (UK) Limited Grosvenor Road Gillingham Business Park Gillingham Kent, ME8 0SA United Kingdom
Description :	Intelligent Analogue Addressable Optical Smoke Detector with Short Circuit Isolator
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 54-5:2000 + A1 :2002	Fire detection and fire alarm systems. Heat detectors. Point heat detectors
EN 54-7:2000 + A1:2002 + A2:2006	Fire detection and fire alarm systems. Smoke detectors. Point detectors using scattered light, transmitted light or ionization.
EN 54-17 :2005	Fire detection and fire alarm systems. Short circuit isolators.
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) Please refer to separate Declaration of Conformity in respect of EU Regulation 2014/90/EU (MED)	

## 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 : <b>2831-CPR-F2730</b>
System of Assessment	System 1
Authorised representative:	Mr Mirco Damoli, Managing Director, Hochiki Italia Srl a s.u

## Annex A – Essential Characteristics

Essential Characteristics	EN54-5:2000 +A1:2002 + A1:2006 (Clause)	EN 54-7:2000 + A1:2002 + A2:2006 (Clause)	EN54-17:2005  (Clause)	Performance
Operational reliability	4.2.1 to 4.2.7	4.2.1 to 4.2.8	4	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	5.2	Pass
Additional test for suffix S point heat detectors	4.4.1 <sup>Note 1</sup>	N/A	N/A	Pass
Additional test for suffix R heat detectors	4.4.2 <sup>Note 2</sup>	N/A	N/A	Pass
Tolerance to supply voltage (variation in supply)	4.5.1	4.5	N/A	Pass
Air Movement	N/A	4.4.1	N/A	Pass
Dazzling	N/A	4.4.2	N/A	Pass
Repeatability	N/A	N/A	N/A	Pass
Rapid changes in attenuation	N/A	N/A	N/A	Pass
<b>Performnace parameters under fire conditions</b>				
Fire sensitivity	N/A	4.6	N/A	Pass
<b>Durability of Nominal activation</b>				
Cold (operational)	4.6.1.1	4.7.1.1	5.5	Pass
Dry Heat (endurance)	4.6.1.2	N/A	N/A	Pass
Dry Heat (operational)	N/A	4.7.1.2	5.4	Pass
Damp heat, cyclic (operational)	4.6.2.1	N/A	5.6	Pass
Damp heat, cyclic (endurance)	N/A	N/A	N/A	Pass
Damp heat, steady state (operational)	N/A	4.7.2.1	N/A	Pass
Damp heat, steady state (endurance)	4.6.2.2.	4.7.2.2	5.7	Pass
Enclosure protection	N/A	N/A	N/A	Pass
<b>Corrosion resistance</b>				
Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	4.6.3	4.7.3	5.8	Pass
<b>Vibration Resistance</b>				
Shock (operational)	4.6.4.1	4.7.4.1	5.9	Pass
Impact (operational)	4.6.4.2	4.7.4.2	5.1	Pass
Vibration, sinusoidal (operational)	4.6.4.3	4.7.4.3	5.11	Pass
Vibration, sinusoidal (endurance)	4.6.4.4	4.7.4.4	5.12	Pass
Vibration (endurance)	N/A	N/A	N/A	Pass
<b>Electrical stability</b>				
EMC, immunity (operational)	4.6.5	4.7.5	5.13	Pass
Variat8:36ion in supply	N/A	N/A	5.2	Pass

1: Suffic S Only  
2: Suffix R Only

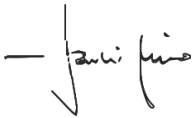
## Annex B – Additional Performance Details

- Compatible with YBV-R/4, YBN-R/3, YBN-R/3(SCI), YBO-BS & YBO-BSB2 range of mounting devices.
- Mode 0: Thermally enhanced smoke detector at 2% & 4.5% sensitivity (multi)
- Mode 1: Optical smoke detector at 2% & 4.5% sensitivity (heat only)
- Mode 2: Fixed temperature heat detector at class A1 & C (smoke only)

Please note: SCI function only compatible with YBV-R/4 mounting device.

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 December 2020



Shane Bartlett  
Compliance Manager  
Hochiki Europe (UK) Ltd  
Gillingham, UK  
1st December 2020

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.



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