

DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

N° 0832-CPD-2026

Product Name: ALN-E, ALN-E (WHT) and ALN-E(HFP)

Intended use: Intelligent addressable multi-criteria photoelectric smoke point detector for use in fire detection and alarm systems for buildings

Manufactured by: Hochiki Corporation, Ejiri, Kakuda-shi, Miyagi 981-15, Japan

Authorised representative: Hochiki Europe (UK) Ltd, Grosvenor Road, Gillingham, Kent, ME8 0SA

System of Assessment: System 1

Assessed by: BRE Global Limited (Notified Body 0832) 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:

0832 – CPD – 2026

Declared performance: All requirements including all essential characteristics⁽¹⁾ and corresponding performances⁽²⁾ as described in the harmonised standards:
EN54-7:2000 Fire detection and fire alarm systems - Part 7:
Smoke Detectors
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

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

Signed for and on behalf of the manufacturer by:

.....
Ray Turner
Compliance Manager

Date of issue 27th June 2013

HOCHIKI EUROPE (UK) LIMITED

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Annex A - Essential Characteristics

| Essential characteristics | EN54-7:2000 +A1:2002 +A2:2006 | Performance |
|---|-------------------------------------|-------------|
| Nominal activation conditions / Sensitivity, Response delay (response time) and Performance under fire conditions | 4.8, 5.2, 5.3, 5.4, 5.6, 5.7, 5.18 | Pass |
| Operational reliability | 4.2 to 4.7, 4.9 to 4.11 | Pass |
| Tolerance to supply voltage | 5.5 | Pass |
| Durability of operational reliability and response delay; temperature resistance | 5.8, 5.9 | Pass |
| Durability of operational reliability: humidity resistance | 5.10, 5.11 | Pass |
| Durability of operational reliability: corrosion resistance | 5.12 | Pass |
| Durability of operational reliability: vibration resistance | 5.13 to 5.16 | Pass |
| Durability of operational reliability: electrical stability | 5.17 | Pass |

Annex B – Additional Performance Details

Approved Smoke Sensitivity Settings 2.0%/m to 4.5%/m

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