EC & UKCA DECLARATION OF PERFORMANCE

No: F0426

CE 19 2831

UKCA 21 0832

This declaration was compiled following the provisions of EU Construction Products Regulation CPR No.305/2011 & UKCA SI 465/2019

EVC-H-CS	Conventional Heat Detector Category CS
Part number:	F04-82507
Compatible Bases:	UB-4, UB-6-EV, STB-4SE, STB-4SE-EV, IP55-Base + Mount UB-4-SD, STB-4SE-SD
Manufacturer:	Nittan Europe Ltd, Old Woking, Surrey GU22 9LQ England.

We, Nittan Europe Limited of Hipley Street, Old Woking, Surrey GU22 9LQ England, declare that the above listed product complies with the following:

Standard EN54-5:2017 + A1:2018, Heat detectors - Point detectors.

EMC Directive 2014/30/EU & Electromagnetic Compatibility Regulations 2016 UK

RoHS Directive (EU) 2015/863 & Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 UK

Low Voltage Directive (LVD) 2014/35/EU & Electrical Equipment (Safety) Regulations 2016 UK

The intended use for the construction product is Fire Detection and Alarm Systems.

BRE Global Assurance Ireland Ltd, DCU Alpha, Old Finglas Road, Glasnevin, Dublin D11 KXN4, Ireland. Notified body number 2831, have conducted Type testing and Factory Production Control Inspection in accordance with System 1, as set out in the CPR, and issued an EC Certificate of Constancy of Performance 2831-CPR-F0426.

BRE Global Assurance UK LTD, Bucknalls Lane, Watford, Hertfordshire, WD25 9XX, Notified body number 0832, have issued the UKCA certification 0832-UKCA CPR-F0032 in accordance with UKCA SI 465/2019.

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Declared Performance:

Technical Characteristics	Performance	Harmonised Specification
Operating Voltage	11 Vdc to 32 Vdc	EN54-5: 2017 + A1:2018
Quiescent Current	50 µA @ 24 Vdc	
Alarm Current (Including Indicator)	50 mA @ 24 Vdc	
Remote LED Indicator Current	2 mA	
Operating Temperature	-10°C to +55°C	
Relative Humidity	≤ RH 95%	
Dimensions	∅104mm x 42.5mm	
Mass	100 g	
Operational Reliability		**EN54-5: 2017 + A1:2018**
Position of heat sensitive element	PASS	EN54-5: 2017 Clause 4.2.1
Individual alarm indication	PASS	EN54-5: 2017 Clause 4.2.2
Connection of ancillary devices	PASS	EN54-5: 2017 Clause 4.2.3
Monitoring of detachable point heat detectors	PASS	EN54-5: 2017 Clause 4.2.4
Manufacturing adjustments	PASS	EN54-5: 2017 Clause 4.2.5
On site adjustment of response behaviour	PASS	EN54-5: 2017 Clause 4.2.6
Software controlled detector (when provided)	PASS	EN54-5: 2017 Clause 4.2.7
Nominal activation conditions/Sensitivity		
Directional dependence	PASS	EN54-5: 2017 Clause 4.3.1
Static response temperature	PASS	EN54-5: 2017 Clause 4.3.2
Response times from typical application temperature	PASS	EN54-5: 2017 Clause 4.3.3
Response times from 25 °C	PASS	EN54-5: 2017 Clause 4.3.4
Response times from high ambient temperature	PASS	EN54-5: 2017 Clause 4.3.5
Reproducibility	PASS	EN54-5: 2017 Clause 4.3.6
Response delay (response time):		
Additional test for suffix S point heat detectors	PASS (CS)	EN54-5: 2017 Clause 4.4.1
Tolerance to supply voltage:		
Variation in supply parameters	PASS	EN54-5: 2017 Clause 4.5.1
Durability – Temperature resistance:		
Cold (operational)	PASS	EN54-5: 2017 Clause 4.6.1.1
Dry heat (endurance)	PASS	EN54-5: 2017 Clause 4.6.1.2
Durability – Humidity resistance:		
Damp heat, cyclic (operational)	PASS	EN54-5: 2017 Clause 4.6.2.1
Damp heat, steady-state (endurance)	PASS	EN54-5: 2017 Clause 4.6.2.2
Durability – Corrosion resistance:		
Sulfur dioxide (SO2) corrosion (endurance)	PASS	EN54-5: 2017 Clause 4.6.3
Durability – Vibration resistance:		
Shock (operational)	PASS	EN54-5: 2017 Clause 4.6.4.1
Impact (operational)	PASS	EN54-5: 2017 Clause 4.6.4.2
Vibration, sinusoidal (operational)	PASS	EN54-5: 2017 Clause 4.6.4.3
Vibration, sinusoidal (endurance)	PASS	EN54-5: 2017 Clause 4.6.4.4
Durability – Electrical stability:		
EMC, immunity (operational)	PASS	EN54-5: 2017 Clause 4.6.5

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Barry Sargent
Technical Product Manager
11th July 2024

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