



EC & UKCA DECLARATION OF PERFORMANCE

No: 00497



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

ST-H2-AS	Analogue Addressable Heat Detector Category A2S
Part number:	F15-81300
Compatible Bases:	UB-4, UB-6-EV, STB-4SE, STB-4SE-EV, IP55-Base + Mount SCI-5
Manufacturer:	Nittan ASEAN Co Ltd, Standard Factory No. 9C&D, Lot H-1, Thang Long II Industrial Park, Di Su Commune, My Hao District, Hung Yen Province, Vietnam.

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.

90789 Intertek Deutschland GmbH, StangenstraBe 1, 70771 Leinfelden-Echterdingen
Notified body No. 0905, 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 0905-CPR-00497.

Intertek UK, Cleeve Road, Leatherhead, Surrey, KT22 7SA Notified body number 0359,
have issued the UKCA certification 0359-UKCA CPR-00007 in accordance with UKCA
SI 465/2019.



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Declared Performance:

Technical Characteristics	Performance	Harmonised Specification
Operating Voltage	17 Vdc to 28 Vdc	EN54-5: 2017 + A1:2018
Quiescent Current	500 μ A	
Alarm Current (Including Indicator)	5.2 mA	
Remote LED Indicator Current	3 mA	
Operating Temperature	-10°C to +55°C	
Relative Humidity	\leq RH 95%	
Dimensions	\varnothing 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 2 point heat detectors	PASS (A2S)	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 (SO ₂) 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
31st March 2022

