



EC & UKCA DECLARATION OF PERFORMANCE

No: F0423



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

EVC-H-A2S Conventional Heat Detector Category A2S

Part number: F04-82505

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-F0423.

BRE Global Assurance UK LTD, Bucknalls Lane, Watford, Hertfordshire, WD25 9XX, Notified body number 0832, have issued the UKCA certification 0832-UKCA CPR-F0031 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 μ A @ 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 | \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 S 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
11th July 2024

