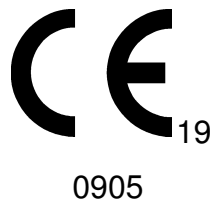




EC & UKCA DECLARATION OF PERFORMANCE

No: 00640



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

EV-PYS – Analogue Addressable Smoke detector with integral Sounder

Part numbers: F20-82510

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 products comply with the following:

Standard EN54-3: 2001 + A1: 2002 + A2: 2006, Fire Alarm Devices - Sounders.

Standard EN54-7: 2018, Smoke 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, Stangenstraße 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-00640.

Intertek UK, Cleeve Road, Leatherhead, Surrey, KT22 7SA Notified body number 0359, have issued the UKCA certification 0359-UKCA CPR-00009 in accordance with UKCA SI 465/2019.



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Declared Performance:

Technical Characteristics	Performance	Harmonised Specification
Operating Voltage	24 Vdc to 38 Vdc	EN 54-3: 2000 + A1:2002 + A2:2006 & EN 54-7: 2018
Quiescent Current	200 μ A	
Alarm Current (Including Indicator)	3.5 mA (+5mA LED On)	
Remote LED Indicator Current	2 mA	
Operating Temperature	-25°C to +70°C	
Relative Humidity	\leq RH 95%	
Dimensions	\varnothing 104.5mm x 55mm	
Mass	145 g	EN 54-3: 2000 + A1: 2002 + A2: 2006
Sounder Operational Performance (A-weighted)	77 to 88 dB @ 1 m	
Sounder Tone	750Hz/1000Hz 0.5/0.5 Sec	
Sounder Power consumption	150 mW	
Ingress Protection	IP42C	EN 54-3: Clause 4.2, 4.3, 5.2 & 5.3
Performance under Fire conditions	Pass	
Operational Reliability	Pass	EN 54-3: Clause 4.4 to 4.6 & 5.4
Durability: Temperature Resistance	Pass	EN 54-3: Clause 5.5 to 5.9
Durability: Humidity Resistance	Pass	EN 54-3: Clause 5.8 to 5.10
Durability: Corrosion Resistance	Pass	EN 54-3: Clause 5.11
Durability: Vibration Resistance	Pass	EN 54-3: Clause 5.12 to 5.15
Durability: Electrical Stability	Pass	EN 54-3: Clause 5.16
Durability: Resistance to ingress	Pass	EN 54-3: Clause 5.17
Operational Reliability		EN54-7: 2018
Individual alarm indication	PASS	EN54-7: 2018 Clause 4.2.1
Connection of ancillary devices	PASS	EN54-7: 2018 Clause 4.2.2
Monitoring of detachable detectors	PASS	EN54-7: 2018 Clause 4.2.3
Manufacturer's adjustments	PASS	EN54-7: 2018 Clause 4.2.4
On site adjustment of response behaviour	PASS	EN54-7: 2018 Clause 4.2.5
Protection against the ingress of foreign bodies	PASS	EN54-7: 2018 Clause 4.2.6
Response to slowly developing fires	PASS	EN54-7: 2018 Clause 4.2.7
Software controlled detector (when provided)	PASS	EN54-7: 2018 Clause 4.2.8
Nominal activation conditions/Sensitivity		
Repeatability	PASS	EN54-7: 2018 Clause 4.3.1
Directional dependence	PASS	EN54-7: 2018 Clause 4.3.2
Reproducibility (Low Sensitivity)	0.239 to 0.354 dB/m	EN54-7: 2018 Clause 4.3.3
Reproducibility (High Sensitivity)	0.143 to 0.223 dB/m	
Response delay (response time)		
Air movement	PASS	EN54-7: 2018 Clause 4.4.1
Dazzling	PASS	EN54-7: 2018 Clause 4.4.2
Tolerance to supply voltage:		
Variation in supply parameters	PASS	EN54-7: 2018 Clause 4.5
Performance parameters under fire conditions:		
Fire sensitivity TF-2, TF-3, TF-4 & TF5	PASS	EN54-7: 2018 Clause 4.6

NITTAN

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No: 00640

Durability – Temperature resistance:		
Cold (operational)	PASS	EN54-7: 2018 Clause 4.7.1.1
Dry heat (operational)	PASS	EN54-7: 2018 Clause 4.7.1.2
Durability – Humidity resistance:		
Damp heat, steady-state (operational)	PASS	EN54-7: 2018 Clause 4.7.2.1
Damp heat, steady-state (endurance)	PASS	EN54-7: 2018 Clause 4.7.2.2
Durability – Corrosion resistance:		
Sulfur dioxide (SO ₂) corrosion (endurance)	PASS	EN54-7: 2018 Clause 4.7.3
Durability – Vibration resistance:		
Shock (operational)	PASS	EN54-7: 2018 Clause 4.7.4.1
Impact (operational)	PASS	EN54-7: 2018 Clause 4.7.4.2
Vibration, sinusoidal (operational)	PASS	EN54-7: 2018 Clause 4.7.4.3
Vibration, sinusoidal (endurance)	PASS	EN54-7: 2018 Clause 4.7.4.4
Durability – Electrical stability:		
EMC, immunity (operational)	PASS	EN54-7: 2018 Clause 4.7.5



Barry Sargent
Technical Product Manager/
Quality Manager
5th April 2022

