CERTIFICATE OF CONSTANCY OF PERFORMANCE

0359-UKCA-CPR-00127

Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.

Product(s):	**Evolution Conventional Intrinsically Safe Optical Smoke Detector** (refer to attached appendix for details and conditions)
placed on the market under the name or trademark of:	**Nittan Europe Limited** Hipley Street, Old Woking, GU22 9LQ, United Kingdom
and produced in the manufacturing plant(s):	**Nittan ASEAN Co Ltd - Vietnam Headquarters** Factory No. 9C&D, Lot H-1, Thang Long II Industrial Park, VN Di Su Commune, My Hao District, Hung Yen Province, Vietnam
Intended use:	**Fire Safety**

0359

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN54-7:2018

under System 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on **21/09/2022** and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Approved Body
0359

Certification Officer:	Andrew Lawson	**Date:**	21/09/2022
Signature:	A J Lawson	**Issue:**	1

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0359-UKCA-CPR-00127

APPENDIX 1: Certificate of Constancy of Performance 0359-UKCA-CPR-00127

The details and conditions of use for the **Evolution Conventional Intrinsically Safe Optical Smoke Detector** for use in fire detection and fire alarm systems, placed on the market under the name or trademark of:

Nittan Europe Limited
Hipley Street, Old Woking, GU22 9LQ, United Kingdom

To be used in accordance with the supplier's installation instructions and in conjunction with the following bases, ancillaries, sounder tones and sensitivity settings *(where applicable)*:

Products compliant with **EN54-7:2018**

Model	Manufacturing Location	Product Description
EVC-PY-IS	Nittan ASEAN Co. Ltd - Vietnam Headquarters, Factory No. 9C&D, Lot H-1, Thang Long II Industrial Park, VN Di Su Commune, My Hao District, Hung Yen Province, Vietnam (see note 2)	Conventional Intrinsically Safe Optical Smoke Detector

Conditions of use:
For indoor applications only.

Configuration:

Detector with more than one smoke sensor:	No
Connection of ancillary devices:	Yes
Detachable detector:	Yes
On-site adjustment of response behaviour:	Yes
Provision of "drift compensation":	Yes

Base: UB-4-IS or STB-4-IS.

General Notes:

1. Evaluated under Intertek project number G104881911.
2. VdS Test Report 172145-AU01 + MMF02-PB01 EV-PYS-IS dated 8th March 2022 and VdS Test Report 172145-AU01 + UCE01-PB01 EV-PYS-IS dated 1st February 2022 refer.
3. No CE or other type approval is made or inferred outside of the Assessment and Verification of Constancy of Performance as stipulated on this certificate.

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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APPENDIX 2: Certificate of Constancy of Performance 0359-UKCA-CPR-00127

Products compliant with **EN54-7:2018**

Essential characteristics	**Clauses in this and other European Standard(s) related to essential characteristics**	**Regulatory classes**	**Notes**
Operational reliability:		None	
Individual alarm indication	4.2.1		Description
Connection of ancillary devices	4.2.2		Description
Monitoring of detachable detectors	4.2.3		Description
Manufacturer's adjustments	4.2.4		Description
On-site adjustment of response behaviour	4.2.5		Description
Protection against the ingress of foreign bodies	4.2.6 4.2.7		Description Description
Response to slowly developing fires	4.2.8		Description
Software controlled detector (when provided)			
Nominal activation conditions/Sensitivity:			
Repeatability	4.3.1	Threshold	Ratio (m or y)+min limits
Directional dependence	4.3.2	Threshold	Ratio (m or y)+min limits
Reproducibility	4.3.3	Threshold	Ratio (m or y)+min limits
Response delay (response time):			
Air movement	4.4.1	Threshold	Ratio (m or y)+description
Dazzling	4.4.2	Threshold	Ratio (m)+description
Tolerance to supply voltage:			
Variation in supply parameters	4.5	Threshold	Ratio (m or y)+min limits

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0359-UKCA-CPR-00127

APPENDIX 2: Certificate of Constancy of Performance 0359-UKCA-CPR-00127 (cont'd)

Products compliant with **EN54-7:2018** (continued)

Essential characteristics	**Clauses in this and other European Standard(s) related to essential characteristics**	**Regulatory classes**	**Notes**
Performance parameters under fire conditions: Fire sensitivity	 4.6	None	 Description
Durability of Nominal activation conditions/Sensitivity: Temperature resistance: Cold (operational) Dry heat (Operational) Humidity resistance: Damp heat, steady-state (operational) Damp heat, steady-state (endurance) Corrosion resistance: Sulfur dioxide (SO2) corrosion (endurance) Vibration resistance: Shock (operational) Impact (operational) Vibration, sinusoidal (operational) Vibration, sinusoidal (endurance) Electrical stability: EMC, immunity (operational)	 4.7.1.1 4.7.1.2 4.7.2.1 4.2.7.2 4.7.3 4.7.4.1 4.7.4.2 4.7.4.3 4.7.4.4 4.7.5	 Threshold Threshold Threshold Threshold Threshold Threshold Threshold Threshold Threshold Threshold	 Ratio (m or y)+description Ratio (m or y)+description Ratio (m or y)+description Ratio (m or y)+description Ratio (m or y)+description Ratio (m or y)+description Ratio (m or y)+description Ratio (m or y)+description Ratio (m or y)+description Ratio (m or y)+description