

# 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 Nittan Europe Limited

under the name or trademark of: Hipley Street, Old Woking, GU22 9LQ, United Kingdom

and produced in the Nittan ASEAN Co Ltd - Vietnam Headquarters manufacturing plant(s): 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

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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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:             | AJLanson      | Issue: | 1          |  |
|                        |               |        |            |  |

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Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.



# CERTIFICATE OF CONSTANCY OF PERFORMANCE

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### 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,              | Conventional Intrinsically Safe |
|           | Factory No. 9C&D, Lot H-1, Thang Long II Industrial Park, | Optical Smoke Detector          |
|           | VN Di Su Commune, My Hao District, Hung Yen Province,     |                                 |
|           | Vietnam (see note 2)                                      |                                 |

#### **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: |     |
| Provision of "drift compensation":        |     |

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

#### **General Notes:**

- 1. Evaluated under Intertek project number G104881911.
- VdS Test Report 172145-AU01 + MMF02-PB01 EV-PYS-IS dated 8<sup>th</sup> March 2022 and VdS Test Report 172145-AU01 + UCE01-PB01 EV-PYS-IS dated 1<sup>st</sup> February 2022 refer.
- 3. <u>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.</u>

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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  | Regulatory | Notes                      |
|--|----------------------|------------|----------------------------|
|  | other                | classes    |                            |
|  | European Standard(s) |            |                            |
|  | related to essential |            |                            |
|  | characteristics      |            |                            |
|  |                      |            |                            |
| 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    | 4.2.6                |            | Description                |
| bodies                                       | 4.2.7                |            | 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  |
| Decrease delay (reconnections)               |                      |            |                            |
| 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  |

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## **CERTIFICATE OF CONSTANCY** OF PERFORMANCE

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

Products compliant with ENSA-7:2018 (continued)

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

Certificate is of the exclusive deep in the text stellar and is provided purposed in the extension between interest and is provided purposed in the extension between interest and is provided purposed in the extension between interest and is provided in the extension between interest and is conditions of the agreement. For any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This Certificate is Accredited under UKAS Schedule 0010.

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