

NITTAN

EC DECLARATION OF PERFORMANCE

No: F2439



2831

This declaration was compiled following the provisions of EU Construction Products Regulation CPR No.305/2011.

EVC-IR – Conventional Class 1 Infrared Flame Detector

Part number: F04J60044

Manufacturer: Nittan Electronic Company Ltd, Otone Factory, 563-6, 1-Chome, Toyonodai, Kazo, Saitama, Japan

We, Nittan Company Limited of 54-5, 1-Chome, Sasazuka, Shibuya-ku, Tokyo, Japan declare that the above listed product complies with the provisions of the following:

Standard EN54-10:2002 + A1:2005, Flame detectors - Point detectors.

EMC Directive 2014/30/EU

RoHS Directive 2011/65/EU

Low Voltage Directive 2014/35/EU

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-F2439.

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Declared Performance:

| Technical Characteristics | Performance | Harmonised Specification |
|---------------------------------------|---|--------------------------|
| Operating Voltage | 10 V d.c. to 32 V d.c. | EN54-10: 2002 + A1: 2005 |
| Quiescent Current | 100 μ A | |
| Alarm Current (Including Indicator) | 50 mA | |
| Remote LED Indicator Current | 2 mA | |
| Operating Temperature | -10°C to +55°C | |
| Relative Humidity | \leq RH 95% | |
| Dimensions | \varnothing 104mm x 29mm | |
| Mass | 130 g | |
| Sensor Method | CO2 Resonant Emission, Flickering, Dual Wavelength | EN54-10: 2002 + A1: 2005 |
| Sensor Element | 2 x Infrared Wavelength sensors | |
| Sensor Class | Class 1 | |
| Sensor Viewing angle | 100° Max (\pm 50°) | |
| Charging Time | 30 sec | |
| Fire Sensitivity (n-heptane) | PASS | |
| Fire Sensitivity (Methylated spirits) | PASS | |

Junichi Murata
Executive Officer
4th December 2019

