EC & UKCA DECLARATION OF PERFORMANCE

No: 00465

CE 19 — 0905

UKCA 21 — 0359

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

EV-HIOP-BCN-SCI – Addressable Type B Beacon with Short Circuit Isolator
EV-HIOP-BCN-R-SCI – Addressable Type B Beacon with Short Circuit Isolator
EV-HIOP-BCN – Addressable Type B Beacon
EV-HIOP-BCN-R – Addressable Type B Beacon

Part numbers: F16-82055, F16-82056, F16-82057 & F16-82058

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 EN54-17: 2005 / AC: 2007 Short Circuit Isolators.

Standard EN54-23: 2010, Fire Alarm Devices - Visual Alarm Devices.

Standard EN 50130-4: 2011, Alarm systems - Electromagnetic compatibility.

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, StangenstraBe 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-00465.

Intertek UK, Cleeve Road, Leatherhead, Surrey, KT22 7SA Notified body number 0359, have issued the UKCA certification 0359-UKCA CPR-00005 in accordance with UKCA SI 465/2019.

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Declared Performance:

Technical Characteristics	Performance	Harmonised Specification
Operating Voltage	20 V d.c. to 38 V d.c.	EN54-17: 2005 + AC: 2007 & EN54-23: 2010
Quiescent Current	200 µA	
Alarm Current	20mA	
Operating Temperature	-25°C to +70°C	
Relative Humidity	≤ RH 95%	
Dimensions	∅104mm x 91.5mm	
Mass	190 g	
Minimum Sw Open Voltage (Vso min)	9 V d.c.	EN54-17: 2005 / AC: 2007
Maximum Sw Open Voltage (Vso max)	11 V d.c.	
Minimum Sw Close Voltage (Vsc min)	10 V d.c.	
Maximum Sw Close Voltage (Vsc max)	13 V d.c.	
Maximum Line Current (Ic max)	800 mA	
Maximum Switching Current (Is max)	1500 mA	
Maximum Leakage Current (Il max)	13 mA	
Maximum Switch Resistance (Zc max)	150 mΩ	
Visual Alarm Device Type / Colour	High Power WHITE or RED LED	EN54-23: 2010
Mounting Type	Wall Mount	
VAD Coverage Volume (Low Output)	White – W 2.4-5.5 / 73m^3	
VAD Coverage Volume (High Output)	White – W 2.4-7.5 / 135m^3	
	Red – W 2.4-5.0 / 60m^3	

Essential Characteristics	Performance	EN54-17:2005 Clauses
Performance under fire conditions	Pass	5.2
Operational Reliability:	Pass	4
Durability: Temperature Resistance	Pass	5.4, 5.5
Durability: Vibration Resistance	Pass	5.9, 5.12
Durability: Humidity Resistance	Pass	5.6, 5.7
Durability: Corrosion Resistance	Pass	5.8
Durability: Electrical Stability EMC	Pass	4.2.8

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Essential Characteristics	Performance	EN54-23:2010 Clauses
Operational reliability:		
Duration of operation	Pass	4.2.1
Provision for external conductors	Pass	4.2.2
Flammability of materials	Pass	4.2.3
Enclosure protection	Pass	4.2.4
Access	Pass	4.2.5
Manufacturer's adjustments	Pass	4.2.6
On-site adjustment of behaviour	Pass	4.2.7
Requirement for software controlled units	Pass	4.2.8
Performance under fire conditions		
Coverage volume	Pass	4.3.1
Variation of light output	Pass	4.3.2
Minimum and Maximum light intensity	Pass	4.3.3
Light colour	White or Red	4.3.4
Light temporal pattern & Flash Frequency	Pass / 0.5Hz or 1Hz	4.3.5
Marking & Data	Pass	4.3.6
Synchronization (option with requirements)	Compliance Not Claimed	4.3.7
Durability:		
Temperature Resistance:		
Dry Heat (operational)	Pass	4.4.1.1
Dry Heat (endurance)	Pass	4.4.1.2
Cold (operational)	Pass	4.4.1.3
Humidity Resistance:		
Damp heat, cyclic (operational)	Pass	4.4.2.1
Damp heat, steady state (endurance)	Pass	4.4.2.2
Damp heat, cyclic (endurance)	Pass	4.4.2.3
Shock & Vibration Resistance:		
Shock (operational)	Pass	4.4.3.1
Impact (operational)	Pass	4.4.3.2
Vibration (operational)	Pass	4.4.3.3
Vibration (endurance)	Pass	4.4.3.4
Corrosion Resistance:		
SO2 corrosion (endurance)	Pass	4.4.4
Electrical Stability		
EMC Immunity (Operational)	Pass	4.4.5

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Robert Barnes
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4th June 2021