



EC DECLARATION OF PERFORMANCE

No: 1710



0845-CPD-232.1710

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

EV-PS – Analogue Addressable Smoke detector with integral Sounder

EV-PS-DSCI – Analogue Addressable Smoke detector with integral Sounder and Short Circuit Isolator

Part numbers: F20N82501 & F20N82500

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: 2000 + A1: 2002 + A2: 2006, Fire Alarm Devices - Sounders.

Standard EN54-7: 2000 + A1: 2002 + A2: 2006, Smoke detectors - Point detectors.

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

EMC Directive 2004/108/EC, 92/31/EEC

RoHS Directive 2002/95/EC, 2011/65/EU

Low Voltage Directive (LVD) 2006/95/EC

The product has been Assessed and Verified in accordance with System 1, as set out in the CPR.

An EC Certificate of Conformity has been issued by DBI (Danish Institute of Fire and Security Technology), Jernholmen 12 DK-2650 Hvidovre, Notified body number 0845.



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Declared Performance:

Technical Characteristics	Performance	Harmonised Specification
Operating Voltage	20 V d.c. to 38 V d.c.	EN54-3: 2000 + A1:2002 + A2:2006 & EN54-7: 2000 + A1:2002 + A2:2006 & EN54-17: 2005 + AC: 2007
Quiescent Current	200 μ A	
Alarm Current (Including Indicator)	5 mA + 3.1 mA (Sounder)	
Remote LED Indicator Current	2 mA	
Operating Temperature	-10°C to +55°C	
Relative Humidity	\leq RH 95%	
Dimensions	\varnothing 104mm x 40.0mm	
Mass	150 g	EN54-3: 2000 + A1: 2002 + A2: 2006
Sounder Operational Performance	83 to 88 dB @ 1 m (A-weighted)	
Sounder Tone	750Hz/1000Hz 0.5/0.5 Sec	
Sounder Power consumption	150 mW	
Ingress Protection	IP42	EN54-7: 2000 + A1: 2002 + A2: 2006
Smoke Sensitivity	0.13 to 0.19 dB/m	
TF-2 Smouldering Wood Fire Test	PASS	
TF-3 Smouldering Cotton Fire Test	PASS	
TF-4 Polyurethane Fire Test	PASS	
TF-5 Liquid Heptane Fire Test	PASS	EN54-17: 2005 / AC: 2007
Minimum Isolation Voltage (Vso min)	17 V d.c.	
Maximum Isolation Voltage (Vso max)	19 V d.c.	
Maximum Line Current (Ic max)	25 mA	
Maximum Switching Current (Is max)	250 mA	
Maximum Leakage Current (Il max)	300 μ A	
Maximum Switch Resistance (Zc max)	350 m Ω	

Barry Sargent
Quality Manager

3rd June 2013

