



EC DECLARATION OF PERFORMANCE

No: 1710



2531

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 2014/30/EU

RoHS Directive (EU) 2015/863

Low Voltage Directive (LVD) 2014/35/EU

The intended use for the construction product is Fire Detection and Alarm Systems.

DBI Certification, Jernholmen 12 DK-2650 Hvidovre, Notified body number 2531, 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 2531-CPR-232.1710.



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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	mRH 95%	
Dimensions	Ø104mm 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	

Robert Barnes
Quality Manager

8th January 2020

