EC DECLARATION OF PERFORMANCE

CE 16
0359

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

NSF100 : **Type B Combined Sounder / Beacon (Sounder/VAD)**

Part numbers : NSF100R-W-*, NSF100R-R-*, NSF100W-W-*, NSF100W-R-* (where * is D, S or DAK for each base option)

Manufacturer: Fircroft Technologies, The Fircroft, Abergavenny, Monmouthshire, Wales NP7 8RG

We, Fircroft Technologies of The Fircroft, Abergavenny, Wales, declare that the above listed products comply with the following:

Standard EN54-3: 2000 + A1: 2002 + A2: 2006, Fire Alarm Devices - Sounders.

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

EMC Directive 2014/30/EU

RoHS Directive 2011/65/EU

Low Voltage Directive (LVD) 2014/35/EU

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

Intertek Testing & Certification Ltd, Intertek House, Cleeve Road, Leatherhead, Surrey KT22 7SB , Notified body No. 0359, 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 0359-CPR-00488.

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Essential Characteristics	Performance	EN54-3:2000 Clauses
Performance under Fire conditions	Pass	4.2, 4.3, 5.2, 5.3,
Operational Reliability	Pass	4.4, 4.5, 4.6, 5.4
Durability: Temperature Resistance	Pass	5.5, 5.6, 5.7, 5.8, 5.9
Durability: Humidity Resistance	Pass	5.8, 5.9, 5.10
Durability: Corrosion Resistance	Pass	5.11
Durability: Shock & Vibration Resistance	Pass	5.12, 5.13, 5.14, 5.15
Durability: Electrical Stability	Pass	5.16
Durability: Resistance to Ingress	Pass	5.17

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	Pass (Red and White)	4.3.4
Light temporal pattern & Flash Frequency	Pass	4.3.5
Marking & Data	Pass	4.3.6
Synchronization	Pass	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

Fircroft Technologies Ltd, Castle Mews, Castle Farm, Raglan, Monmouthshire. NP15 2BT
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Signed for and on behalf of Fircroft Technologies by: Kieron Chapman

Signed:  Date: 1st Jan 2017

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