

# Certificate of constancy of performance



according to Regulation (EU) No. 305/2011

**Certificate No.:** 1008-CPR-MC 69266200 0001

**Report No.:** HU227RJ5 001

**Applicant:** **FONESTAR SISTEMAS, S.A**  
POLIGONO TRASCUETO, Zip Code 39600. Revilla de Camargo,  
Cantabria (SPAIN)

**Manufacturer:** **FONESTAR SISTEMAS, S.A**  
POLIGONO TRASCUETO, Zip Code 39600. Revilla de Camargo,  
Cantabria (SPAIN)

**Manufacturing plant:** 2237527

**Product:** Voice alarm control and indicating equipment

**Identification:** **ZS-2000-EN of voice alarm control and indicating  
equipment**  
Intended use: Fire Safety

FPC Report No.: HU22ZT94 001  
Test report No.: CN21GQPD 001

**System of assessment  
and verification:** 1

**Tested according to:** EN 54-16:2008

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performance described in Annex ZA of the above standard(s) under above system are applied and the product fulfils all the prescribed requirements set out above.

This certificate was first issued on 2022-07-04 and it will remain valid until the test methods and/or factory production control requirements included in the standard, used to assess the performance of the declared characteristics, and the product, and the manufacturing conditions in the plant are unchanged. The manufacturing plant and factory production control system of the manufacturer is supervised regularly by the Certification Body.

**Certification Body**

**Date of issue:**

Budapest, 2022-07-04

  
Kristof Kertesz

TÜV Rheinland InterCert Kft., Product Certification Body — H-1143 Budapest, Gizella út 51-57. — [www.tuv.com](http://www.tuv.com)  
Notified Body No. 1008

Validity of certificate can be checked on [www.CERTIPEDIA.com](http://www.CERTIPEDIA.com)

Essential characteristics	Performance	Clause / sub clause	Harmonised technical specification
Design requirement & Functional test	Pass	16.2	EN 54-16: 2008
Output power	Pass	16.4	
Signal-to-noise ratio	Pass	16.5	
Frequency response of VACIE without microphone(s)	Pass	16.6	
Frequency response of VACIE with microphone(s)	Pass	16.7	
Cold (operational)	Pass	16.8	
Damp heat, steady state (operational)	Pass	16.9	
Damp heat, steady state (endurance)	Pass	16.10	
Impact (operational)	Pass	16.11	
Vibration, sinusoidal (operational)	Pass	16.12	
Vibration, sinusoidal (endurance)	Pass	16.13	
Supply voltage dips and interruptions (operational)	Pass	16.15	
Supply voltage variation (operational)	Pass	16.14	
Slow high energy voltage surges (operational)	Pass	16.15	
Electromagnetic Compatibility (EMC), Immunity Tests (operational)	Pass	16.15	

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Voice Alarm control and indicating equipment consisted of the following components:

No.	Model	Description	No.	Model	Description
1	ZS-3000M	Digital Integrated System Manager	16	ZS-2000M	Digital Integrated System Manager
2	ZS-2800M	Digital Integrated System Manager	17	ZS-1500	High Efficiency Power Amplifier
3	ZS-300MIC	Network Paging Console	18	ZS-2250	High Efficiency Power Amplifier
4	ZS-400MIC	Network Paging Console	19	ZS-4125	High Efficiency Power Amplifier
5	ZS-408EXTMIC	key-extension module	20	ZS-200M	Configurable Network Paging Console
6	ZS-404EXTMIC	key-extension module	21	ZS-200P	Push-to-talk Microphone
7	ZS-300MIC-NP	Network Paging Console without POE	22	ZS-200RK	X-NPMI Rack Mounted Panel
8	ZS-400MIC-NP	Network Paging Console without POE	23	PSU-24V	Power Supply Equipment/PSU 24V 2U
9	ZS-301RK	X-NPMS Rack-mounting Bracket	24	FRL-37E	37U Assembled Cabinet
10	ACM2X2	Audio Control Module	25	FRL-37	37U Semi-assembled Cabinet
11	POE502	Barox POE Switcher	26	FRL-24E	24U Assembled Cabinet
12	Z-1500	High Efficiency Power Amplifier	27	FRL-24	24U Semi-assembled Cabinet
13	Z-2250	High Efficiency Power Amplifier	28	CAB-SZB	Cabinet SZB prefabricated
14	Z-4125	High Efficiency Power Amplifier	29	CAB-SU	Cabinet SU prefabricated
15	ZS-4328IO	Network Resource Interface			

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.....*Kristof Kertesz*.....  
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