



Notified Body No. 0370

CERTIFICATE



No. **0370-CPR-3206**

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

FIRE DETECTION AND FIRE ALARM SYSTEMS:

- **PART 4:** POWER SUPPLY EQUIPMENT.
- **PART 16:** VOICE ALARM CONTROL AND INDICATING EQUIPMENT

MODEL: **ONE-500 (LDAONE500S01, LDAONEBC1S01)**

Place on the market under the name of:

LDA AUDIO VIDEO PROFESIONAL, S.L.

C/ SEVERO OCHOA, 31 – PARQUE TECNOLÓGICO ANDALUCÍA
25590 MÁLAGA (ESPAÑA)

And produced in the manufacturing plant:

C/ SEVERO OCHOA, 31 – PARQUE TECNOLÓGICO ANDALUCÍA
25590 MÁLAGA (ESPAÑA)

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standards

EN 54-4:1997, EN 54-4:1997/AC:1999, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006; EN 54-16:2008

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 25th January 2019 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed on 20th September 2019.

The monitoring assessment will be done before January 2021

Bellaterra, 20th September 2019


LGAI Technological Center, S.A.
Xavier Ruiz Peña
Managing Director, Product Conformity B.U.



This document is not valid without its technical annex, whose number coincides with the number of certificate

TECHNICAL ANNEX 0370-CPR-3206

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Annexes according to **EN 54-4:1997, EN 54-4:1997/AC:1999, EN 54-4:1997/A1:2002, EN 54-4:1997/A2:2006**

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
General requirements	4.	PASS
Functions	5.	PASS
Materials, design and manufacture	6.	PASS
Documentation	7.	PASS
Marking	8.	PASS
Cold (operational)	9.5	PASS
Damp Heat, steady state (operational)	9.6	PASS
Impact (operational)	9.7	PASS
Vibration, sinusoidal (operational)	9.8	PASS
Electrostatic discharges (operational)	9.9	PASS
Damp heat, steady state (endurance)	9.14	PASS
Vibration, sinusoidal (endurance)	9.15	PASS

PASS; NPD = No Performance Determined, NA = Not Apply

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

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
General Requirements	4	PASS
General Requirements For Indications	5	PASS
The Quiescent Condition	6	PASS
Reception and processing of fire signals	7.1	PASS
Indication of the voice alarm condition	7.2	PASS
Audible warning (option with requirements)	7.3	PASS
Delays to entering the voice alarm condition (option with requirements)	7.4	NA
Phased evacuation (option with requirements)	7.5	PASS
Silencing of the voice alarm condition	7.6	PASS
Reset of the voice alarm condition	7.7	PASS
Output to fire alarm devices (option with requirements)	7.8	PASS
Voice alarm condition output (option with requirements)	7.9	PASS



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Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Fault Warning Conditions	8	PASS
Disabled Condition	9	NA
Voice Alarm Manual Control	10	PASS
Interface to External Control Device(s)	11	PASS
Emergency Microphone(s)	12	NA
Design Requirements	13	PASS
Additional Design Requirements for Software Controlled VACIE	14	PASS
Marking	15	PASS
Output Power	16.4	PASS
Signal-to-noise Ratio	16.5	PASS
Frequency Response of VACIE Without Microphone(s)	16.6	PASS
Frequency Response of VACIE With Microphone(s)	16.7	NA
Cold (operational)	16.8	PASS
Damp heat, steady state (operational)	16.9	PASS
Damp heat, steady state (endurance)	16.10	PASS
Impact (operational)	16.11	PASS
Vibration, sinusoidal (operational)	16.12	PASS
Vibration, sinusoidal (endurance)	16.13	PASS
Supply voltage variation (operational)	16.14	PASS
Electromagnetic Compatibility (EMC), Immunity tests (operational)	16.15	PASS

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Other technical data	
Voltage	100-240 Vac
Frequency response	50-60 Hz
Power	500 W
Analog audio inputs	3
Power amplifier Channels	2 amplifiers class D with two configurations for lines 100/70 V up to 500W.
Line finisher TFL-2	Internal Ethernet card ONE-CM1
It allows 8 remote devices in its ACSI bus, either microphones MPS-8Z or voice alarm panels VAP1	

