

CERTIFICATE OF CONSTANCY OF PERFORMANCE

LGAI Technological Center, S.A. (APPLUS)
Notified Body Nr. 0370

No. **0370-CPR-3206**

In compliance with Regulation (EU) No.305/2011 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:

- POWER SUPPLY EQUIPMENT
- VOICE ALARM CONTROL AND INDICATING EQUIPMENT

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

Placed on the market under the name of:

LDA audioTech S.L.

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

And produced in the manufacturing plant:

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

This certificate attests that all provisions concerning the assessment and verification of constancy of performance 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 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

This certificate was first issued on 25th January 2019 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is modified on 24th February 2023.

The monitoring assessment will be done before 31st January 2024

Bellaterra, 24th February 2023


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

You can check the validity of this certificate on our website: www.appluslaboratories.com/certified_products

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility



0370-CPR-3206

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**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 4: POWER SUPPLY EQUIPMENT.

| 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**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 16: VOICE ALARM CONTROL AND INDICATING EQUIPMENT

| 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 |

0370-CPR-3206

| 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 |

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

| Other technical data | |
|--------------------------------|---|
| Voltage | 100-240 Vac |
| Frequency | 50-60 Hz |
| AC Power Consumption | 500 W |
| Analog audio inputs | 3 |
| Power amplifier Channels | 2 amplifiers class D up to 500W at 100V/70V |
| Line finisher TFL-2 | End of line device for speaker lines |
| Internal Ethernet card ONE-CM1 | Communications card |
| Voice Alarm Panels VAP1 | Up to 8 remote devices in ONE ACSI bus |
| Multipaging Microphones MPS-8Z | Up to 8 remote devices in ONE ACSI bus |