



Constancy of Performance Certificate

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

APPLICANT

Placed on the market under the name of

LDA AudioTech S.L.

C/ Severo Ochoa, 31 – Parque Tecnológico Andalucía
25590 Málaga (España)

Produced at the manufacturing plant

C/ Severo Ochoa, 31 – Parque Tecnológico Andalucía
25590 Málaga (España)

PRODUCT

Fire detection and fire alarm system

- Power supply equipment
- Voice alarm control and indicating equipment

Model: ONE-500 (LDAONE500S01, LDAONEBC101, LDAONEPTTS02, LDAONEPTTS03)

APPLICABLE REGULATION

Construction Product Regulation (CPR)

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

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 the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

No. 0370-CPR-3206

Date issued: 12/12/2025

First issue date: 25/01/2019

Follow-up date: before 31/01/2027

The validity of this certificate remains in effect as long as the harmonised standard, the construction product, the AVCP methods, and the manufacturing conditions at the plant are not significantly modified, unless the certificate is suspended or withdrawn by the notified product certification body.

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

Xavier Ruiz Peña
Managing Director
Conformity Assessment

Applus⁺
certification

LGAI Technological Center S.A. (APPLUS)
Notified Body No. 0370
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Certificate



Check the status
of this certificate

Technical Annex

Annex 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 system. 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

Annex according to EN 54-16:2008

Fire detection and fire alarm system. 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 |

| Essential characteristics | Clauses in this European Standard | Mandated level(s) or class(es) |
|---|-----------------------------------|--------------------------------|
| Voice alarm condition output (option with requirements) | 7.9 | Pass |
| 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 | Pass |
| 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 | Pass |
| 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 EOL-2 | End of line device for speaker lines |
| Internal Ethernet card LOOP-X | Communications card |
| Voice Alarm Panels FP-AC | Up to 8 remote devices in ACSI bus |
| Multipaging Microphones MCS-8B | Up to 8 remote devices in ACSI bus |