



## Constancy of Performance Certificate

LGA 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.

The manufacturer, after the completion of the conformity assessment procedures and the declaration of performance, may affix the CE Marking under his responsibility  
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# 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and the manufacturing conditions at the plant are not significantly modified, unless the certificate is suspended or withdrawn by the notified product certification body.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

**LGA Technological Center S.A. (APPLUS)**  
**Notified Body No. 0370**  
Campus UAB. Ronda de la Font del Carme s/n  
08193 Bellaterra, Barcelona (Spain)



Check the status  
of this certificate

# 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