



## 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

□ Voice alarm control and indicating equipment

**Models:** LDANEO4250ES01 / LDANEO4250ES03 / LDANEO8250ES01 / LDANEO8250ES03 / LDANEO4500ES01 / LDANEO4500ES03 / LDANEO4500LES01 / LDANEO4500LES03

**Brand:** LDA AudioTech

### 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 standard:

**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-3261

Date issued: 12/12/2025

First issue date: 01/03/20219

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and the manufacturing conditions at the plant are not significantly modified, unless the certificate is suspended or withdrawn by the notified product certification body.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 54-16:2008

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	NPD
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	NPD
Voice alarm condition output (option with requirements)	7.9	Pass
Fault Warning Conditions	8.	Pass
Disabled Condition	9.	Pass
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
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	
<b>NEO8060 with microphones AC07003</b>	
Voltage	110-120 / 220-240 V
Frequency	50-60 Hz
AC Power Consumption	550 W
Analog audio inputs	5
Power amplifier Channels	8 amplifiers class D up to 120W per channel at 100V/70V
Line finisher TFL-1 and TFL-2	End of line devices for speaker lines
ETX module	Communications card
Voice Alarm Panels VAP1	Up to 32 remote devices in NEO ACSI bus
Multipaging Microphones MPS-8Z	Up to 32 remote devices in NEO ACSI bus
EvacCloud ECORE secured gateway	LDAVASCL, LDAVASCT
NEXO Input/Output device	LDANEXOS02
Ethernet Switch EQ242910	Switch with SFP module EQ242911/12
Ethernet Media Converter EQ201035	Fiber converter with SFP module EQ201036
<b>+ NEO8250E</b>	
AC Power Consumption	900 W
Power amplifier Channels	8 amplifiers class D up to 250 W per channel at 100V/70V
<b>+ NEO4250E</b>	
AC Power Consumption	900 W
Power amplifier Channels	4 amplifiers class D up to 500 W per channel (maximum load 1000W in total) at 100V/70V
<b>+ NEO4500E</b>	
AC Power Consumption	900 W
Power amplifier Channels	4 amplifiers class D up to 1000 W per channel (maximum load 2000W in total) at 100V/70V
<b>+ NEO4500LE</b>	
AC Power Consumption	900 W
Power amplifier Channels	4 amplifiers class D up to 500 W per channel at 4 ohms (low impedance)

All Essential requirements and Implemented Options described in this certificate have been determined in combination of the NEO8250E, NEO4250E, NEO4500E and NEO4500LE equipment with the NEO8060 base equipment.