

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No.

0370-CPR-3261

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:

- VOICE ALARM CONTROL AND INDICATING EQUIPMENT

MODELS: **LDANEO4250ES01 / LDANEO4250ES03 / LDANEO8250ES01 / LDANEO8250ES03 / LDANEO4500ES01 /**

LDANEO4500ES03 / LDANEO4500LES01 / LDANEO4500LES03

BRAND: **LDA AudioTech**

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 standard

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 1st March 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 2nd August 2024.

The monitoring assessment will be done before 31st January 2025

Bellaterra, 2nd August 2024




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-3261

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	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

0370-CPR-3261

Other technical data	
NEO8060 with microphones AC07003	
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
+ NEO8250E	
AC Power Consumption	900 W
Power amplifier Channels	8 amplifiers class D up to 250 W per channel at 100V/70V
+ NEO4250E	
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
+ NEO4500E	
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
+ NEO4500LE	
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.