

CERTIFICATE OF CONSTANCY OF PERFORMANCE

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

No. **0370-CPR-3908**

In compliance with Regulation (EU) Nr.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. COMPONENTS OF VOICE ALARM SYSTEMS. LOUDSPEAKERS
MODELS: **PCP-20TN (LDAPCP20TNS01); PCM-20TN (LDAPCM20TNS02)**

Placed on the market under the name of:

LDA audioTech S.L.

C/ SEVERO OCHOA, 31 – PARQUE TECNOLÓGICO ANDALUCÍA
29590 MÁLAGA (SPAIN)

And produced in the manufacturing plant:

23/32305262

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 54-24:2008

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 7th August 2020 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 confirmed on 15th September 2023.

The monitoring assessment will be done before 31st July 2024

Bellaterra, 15th September 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 that of the 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

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Annex according to **EN 54-24:2008**

FIRE DETECTION AND FIRE ALARM SYSTEMS. PART 24: COMPONENTS OF VOICE ALARM SYSTEMS. LOUDSPEAKERS

| Essential characteristics | Clauses in this European Standard | Mandated level(s) or class(es) |
|---|-----------------------------------|--------------------------------|
| Frequency response limits | 4.2 | PASS |
| Durability | 4.3 | PASS |
| Construction | 4.4 | PASS |
| Marking and data | 4.5 | PASS |
| Reproducibility | 5.2 | PASS |
| Rated impedance | 5.3 | PASS |
| Horizontal and vertical coverage angles | 5.4 | PASS |
| Maximum sound pressure level | 5.5 | PASS |
| Rated noise power (durability) | 5.6 | PASS |
| Dry heat (operational) | 5.7 | PASS |
| Dry heat (endurance) | 5.8 | PASS |
| Cold (operational) | 5.9 | PASS |
| Damp heat, cyclic (operational) | 5.10 | PASS |
| Damp heat, steady state (endurance) | 5.11 | PASS |
| Damp heat, cyclic (endurance) | 5.12 | PASS |
| Sulfur dioxide (SO ₂) corrosion (endurance) | 5.13 | PASS |
| Shock (operational) | 5.14 | PASS |
| Impact (operational) | 5.15 | PASS |
| Vibration, sinusoidal (operational) | 5.16 | PASS |
| Vibration, sinusoidal (endurance) | 5.17 | PASS |
| Enclosure protection | 5.18 | PASS |

PASS; NPD = No Performance Determined; NA = Not Applicable