



Notified Body No. 0370

CERTIFICATE

No.

0370-CPR-3906

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation 305/2011/EU 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
MODEL: **DS-60TN**

Place on the market under the name of:

LDA AUDIO VIDEO PROFESIONAL, S.L.

C/ SEVERO OCHOA, 31 – PARQUE TECNOLÓGICO ANDALUCÍA
25590 MÁLAGA (SPAIN)

And produced in the manufacturing plant:

21/32303698

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

EN 54-24:2008

under system 1 are applied and that **the product fulfils all the prescribed requirements set out above.**

This certificate was first issued on 10th July 2020 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly. It is confirmed and modified on 17th September 2021.

The monitoring assessment will be done before 31st July 2022

Bellaterra, 17th September 2021


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

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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 | NA |
| 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 | NA |
| 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