



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:

- PART 24: COMPONENTS OF VOICE ALARM SYSTEMS. LOUDSPEAKERS

PRODUCT: **DS-60TN**

Place on the market under the name of:

LDA AUDIO VIDEO PROFESIONAL, S.L.

CALLE SEVERO OCHOA, 31
29590 MÁLAGA (SPAIN)

And produced in the manufacturing plant:

19/32301898

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 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.

The monitoring assessment will be done before 31th July 2021

Bellaterra, 10th July 2020

 **Applus⁺**
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 into our website at: <https://apps.applus.com/microsites/microsites/FECIP/login>

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

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