



DECLARATION OF PERFORMANCE 498058129314-OWS-PN-0005

**DoP in accordance with EU-Regulation 305/2011
Nr. 2014-0005/KM**

1) Product type – Unique identification code of the product-type:

KM-Sphere-Speaker-Series EN5424 TYPE-A

2) Type – batch or serial number or any other element allowing identification of the construction product as required under Article 11 (4):

KM-180T/EN5424, KM-180DC/EN5424, KM-220-II-30W/EN5424, KM-220-DC-II-30W/EN5424, KM-220-AB/EN5424, SWING-30T/EN5424

3) Intended use – or uses of the construction product, in accordance with the applicable harmonized technical specification:

Fire detection and fire alarm systems - Part 24: Components of voice alarm systems - Loudspeakers; German version EN 54-24: 2008, DIN EN 54-24

as foreseen by the manufacturer:

Inside and outside of buildings installed VOICE ALARM SYSTEMS (SAA)

4) Name, registered trade name – or registered trademark and contact address of the manufacturer as required under Article 11(5):

ELKO-SCHMID Electronic GmbH & Co.KG, GLAUCHAUER STR. 30, 08058 ZWICKAU, GERMANY

5) Contact address – where applicable, name or contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not relevant (see 4)

6) AVCP – system or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V:

System-1

7) Notified body (hEN) – in case of the declaration of performance concerning a construction product covered by a harmonized standard:

Notified body - EVPU a.s. - performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under System 1 and issued the CE-certificate of conformity.

1293-CPD-0272, 1293-CPD-0378, 1293-CPR-0430, 1293-CPR-0432, 1293-CPR-0691, 1293-CPR-0904

8) Notified body (ETA) – in case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued:

Not relevant (refer to item 7)

9) Declared performance:

All requirements, including all the essential features and the corresponding benefits for the intended use or uses proposed in point 3 above were determined as described in the Harmonized mentioned in the table below European Stand 01.07.24

standards.

Essential characteristics	Performance	Harmonized technical specification
Scattering (frequency range / sensitivity)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.2
Nominal impedance	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.3
Horizontal and vertical dispersion angle	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.4
Maximum sound pressure level	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.5
Nominal noise performance (durability)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.6
Dry heat (operating)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.7
Dry heat (endurance)	not provided	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.8
Cold (in operation)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.9
Damp heat, cyclic (operating)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.10
Damp heat, steady state (endurance)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.11
Damp heat, cyclic (fatigue test)	not provided	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.12
Sulfur dioxide (SO ₂) corrosion (endurance)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.13
Shock (operating)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.14
Impact (operating)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.15
Sinusoidal vibration (operating)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.16
Vibration, sinusoidal (endurance)	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.17
Enclosure testing	passed	Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008, Section 5.18

10) Declaration – the performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

ZWICKAU 01.07.2024


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Stand 01.07.24