



ARCHEAN TECHNOLOGIES
 1899 avenue d'Italie - 82000 MONTAUBAN FRANCE
 Tel : + 33 (0) 5 63 93 50 00

AT54PL1010T-W

Flush mounted speaker 100V, 10W, EN54-24

EN54-24

MADE IN 
 1 year warranty

- The AT54PL1010T speaker has been designed by our R&D team and is manufactured in our factory in Montauban.
- Operates in 100V and provides 10W, 6W and 3W.
- The enclosure is made of metal and has an IP33 protection rating (option type B, outdoor environment).
- The standard color is white - optionnal color available on request (RAL).
- Easy mounting, however the installation support thickness must not exceed 2 mm.

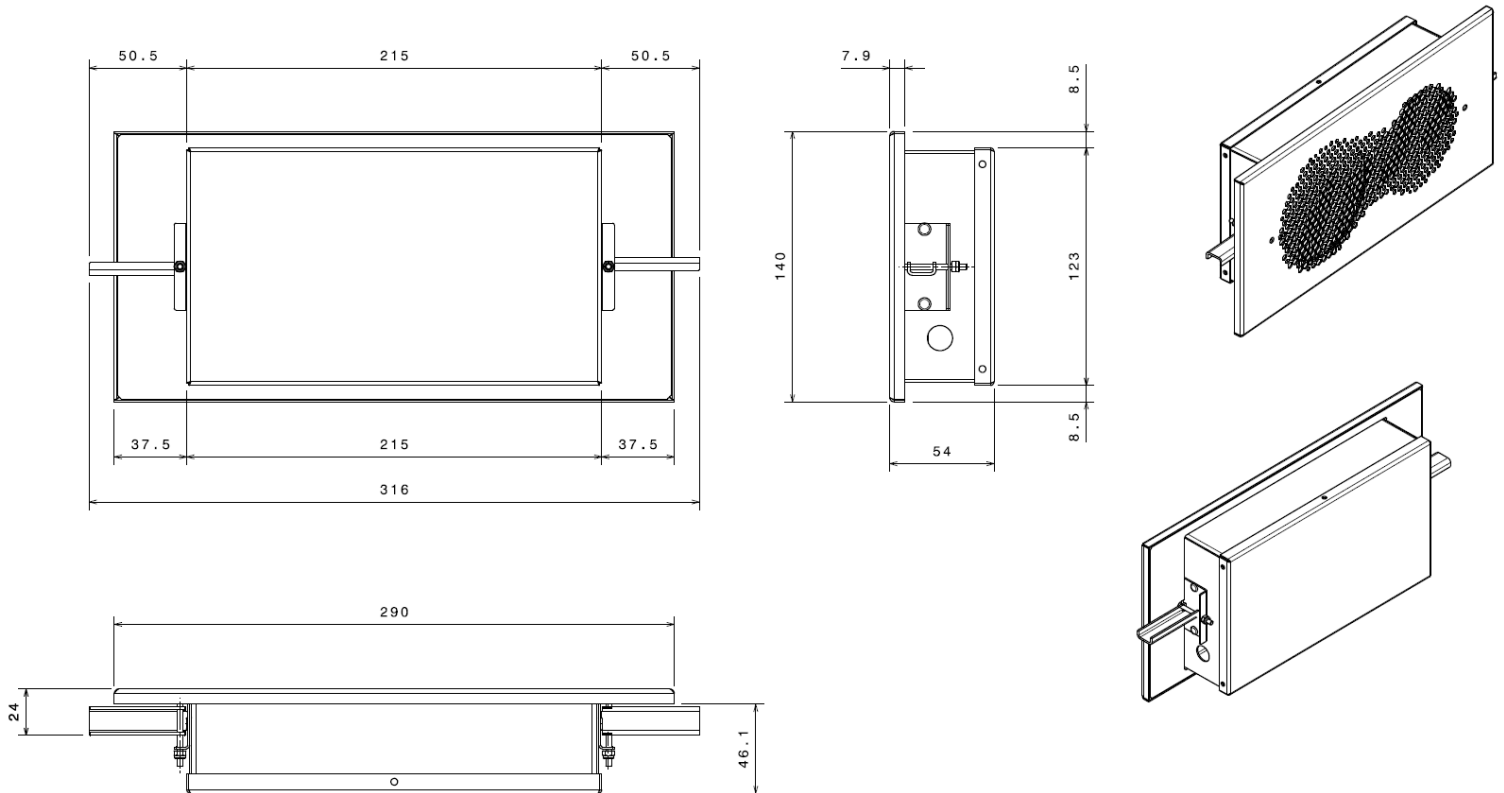


Specifications	
Rated impedance	1k / 1,7k / 3,3 kOhm
Max power	10W 100V
Power available	10 / 6 / 3 W 100V
Frequency response	105 Hz - 20 kHz @ -10dB
Sensitivity 1 W/4m	78 dBspl
SPL max 10W/4m	87 dBspl at 1500 Hz
SPL 1 W/1m	92 dB
SPL max 10W/1m	99 dB
Opening angle H	500Hz : 120° / 1kHz : 96° / 2kHz : 44° / 4kHz : 50°
Opening angle V	500Hz : 111° / 1kHz : 78° / 2kHz : 31° / 4kHz : 24°
Housing dimensions	290 x 140 x 53mm
Connexion box dim.	90 x 43 x 36mm
Weight	1,9 kg
Cabling information	Black: COM / Red: 10W / Green: 6W / White: 3W
Option	Type B
N° certificate	2821-CPR-0228

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Drawings



Photos et informations non contractuelles - nous nous réservons le droit de modifier les données techniques sans avis préalable



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**Déclaration of performance
According to Construction products Regulation EU 305/2011**

1. Unique Product identification code :

AT54PL1010T

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

AT54PL1010T

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Fire detection and fire alarm systems – Part 24: Components of voice alarm systems – Loudspeakers; EN 54-24:2008

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

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5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product:

Système 1

7. Declaration of performance concerning a construction product covered by the harmonized standard:

Notified body UL n°2821 :

the notified product certification body UL n°2821 has issued the certificate of constancy of performance of the product on the basis of:

- determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product;

- initial inspection of the manufacturing plant and of factory production control;

- continuous surveillance, assessment and evaluation of factory production control.

according to system 1.

certification body UL n°2821 has issued,

- certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports .

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not applicable

9. Declared performance

Caractéristiques essentielles	NF EN 54-24 Juin 2008	Performances
Scattering (frequency range / sensitivity)	5.2	Pass
Nominal impedance	5.3	Pass
Horizontal and vertical dispersion angle	5.4	Pass
Maximum sound pressure level	5.5	87dB (10W/4m)
Nominal noise performance (durability)	5.6	Pass
Dry heat (operating)	5.7	Pass
Dry heat (endurance)	5.8	Pass
Cold (in operation)	5.9	Pass
Damp heat, cyclic (operating)	5.10	Pass
Damp heat, steady state (endurance)	5.11	Pass
Damp heat, cyclic (fatigue test)	5.12	Pass
Sulfur dioxide (SO2) corrosion (endurance)	5.13	Pass
Shock (operating)	5.14	Pass
Impact (operating)	5.15	Pass
Sinusoidal vibration (operating)	5.16	Pass
Vibration, sinusoidal (endurance)	5.17	Pass
Enclosure testing	5.18	Pass

Where pursuant to Article 37 or 38 the Specific Technical Documentation has been used, the requirements with which the product complies:

Non applicable

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 is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Montauban, 15th June 2022

Xavier AUMONT

CEO


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