ABT-W6 / ABT-W6/AB

EN 54-24

WALL-MOUNTED LOUDSPEAKER (SINGLE/AB)



- ✓ *Compliance with EN 54-24*
- ✓ *Certificate of Conformity issued by CNBOP: 1438-CPR-0413 and 1438-CPR-0654*
- ✓ *Compliance with BS5839-8 standard (Thermal protection)*

The ABT-W6 is an elegant multi-function loudspeaker designed to guarantee the highest acoustic parameters. Its solid casing offers an effective protection against acts of vandalism. The loudspeaker can be mounted either on a wall or on a ceiling.

Additionally, the ABT-W6 loudspeaker can be fixed as an recessed speaker and therefore it is an ideal solution for rooms where aesthetic factors play a significant role.

The loudspeaker offers adjustable power regulation through connectivity to applicable transformer tappings thus allowing suitable acoustic pressure (the level of sound) within areas of sound emission adequately to the acoustic conditions existing in those areas.

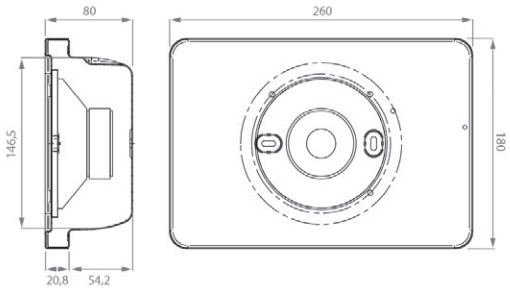
Unlike the standard wall-mounted fire alarm loudspeakers; the ABT-W6/AB is equipped with two in-built electro-acoustic transducers, two transformers and two separate sets of ceramic clamps and fuses, which allow connectivity of two independent A/B loudspeaker lines.

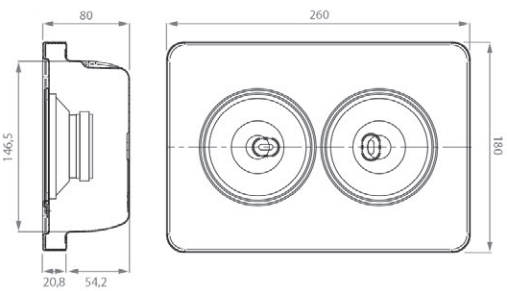
ABT-W6/AB has been designed for application in rooms of such size and acoustic conditions that the design proposes one wall-mounted loudspeaker of VES standard. However, in case of a single fault on the loudspeaker line, there is no loss of the sound coverage area in rooms with installed wall-mounted ABT-W6/AB loudspeakers.

CHARACTERISTICS

- » ***Easy and quick to mount***
- » ***Modern and elegant design***
- » ***High quality sound of both speech and music***
- » ***Ideal for on-wall or in-wall mounting***



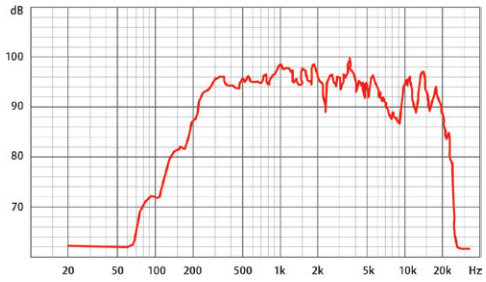




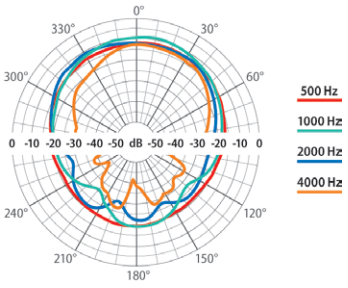
	ABT-W6	ABT-W6/AB
Electrical		
Rated power, W	6	2×6
Tappings 100 V line according to EN 54-24, W	6 / 3 / 1,5 / 0,75	2× 6 / 3 / 1,5 / 0,75
Tappings 70 V line, W	3 / 1,5 / 0,75 / 0,37	2× 3 / 1,5 / 0,75 / 0,37
Transformer impedance, Ω	1667 / 3333 / 6667 / 13333	2× 1667 / 3333 / 6667 / 13333
Driver impedance, Ω	8	8
Effective frequency range, Hz	120 – 20 000	150 – 20 000
Sensitivity @ 4 m, 1 W, dB	79	84
SPL @ 4 m, Rated power, dB	85	91
SPL @ 1 m, 1 W, dB, Test signal bandwith 300 Hz – 6 kHz	94	97
SPL @ 1 m, Rated power, dB, Test signal bandwith 300 Hz – 6 kHz	101	104
Dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	180 / 180 / 163 / 80	180 / 165 / 53 / 30
Environmental		
Environmental type / IP Rating according to EN 54-24	A / IP21C	A / IP21C
IP Rating	32	32
Min / Max Amb Temp	-10°C / 55°C	-10°C / 55°C
Mechanical		
Dimensions, mm	260 × 180 × 80	260 × 180 × 80
Net Weight, kg	1,75	2,25
Colour	White (RAL 9003) / Black (RAL 9011)	White (RAL 9003)
Material	Steel	Steel
Mounting	Screw	Screw
Option		
For DC line monitoring	Capacitor (ABT-W6C)	Capacitor
Colour optional	RAL Palette	RAL Palette
Ease Model	✓	✓

ABT-W6

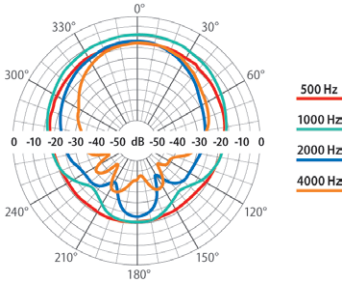
Frequency band:



Circular chart of directional characteristic – horizontal:

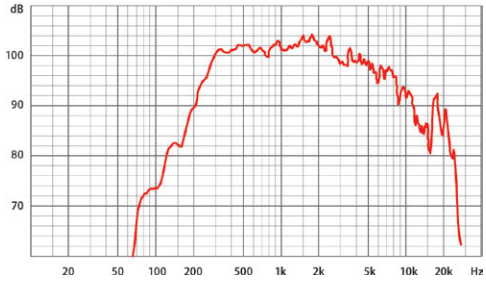


Circular chart of directional characteristic – vertical:

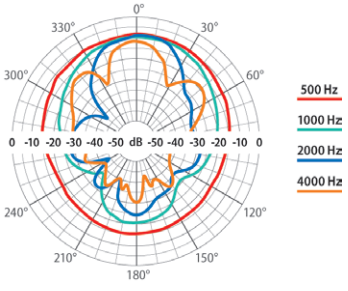


ABT-W6/AB

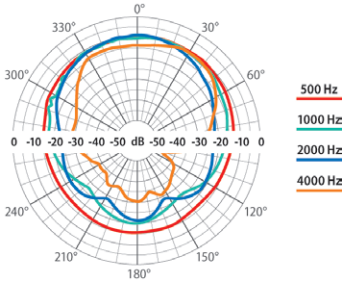
Frequency band:



Circular chart of directional characteristic – horizontal:



Circular chart of directional characteristic – vertical:



16.04.2020