

# ABT-S206

## CEILING-MOUNTED LOUDSPEAKER

- ✓ *Full compliance with EN 54-24 Standards*
- ✓ *Certificate of Conformity: 1438-CPR-0622 EN 54-24*
- ✓ *Compliance with BS5839-8 standard (thermal protection)*



Ceiling mounted fire alarm ABT-S206 loudspeaker is designed for operations at high acoustic levels and the highest reduction in power supply. Actual wide band high efficiency ensures the best understanding of verbal messages. Its parameters have been carefully selected to comply with suspended ceiling applications, both at standard and considerably elevated ceiling- to-floor distance. Thanks to the most advanced technologies ABT-S206 loudspeaker combines excellent acoustic parameters and high aesthetics with resistance to mechanical damages. It is distinguished by easy and quick installation.

Quality standards and audio characteristics have been confirmed through multiple tests and trials employing such facilities as e.g. echoproof chamber, resistance and integrity testing equipment. The ABT-S206 loudspeaker ensure a balanced sound which is extremely important in emission of highly understandable speech and reliable music reproduction.

The ABT-S206 loudspeaker is noticeable thanks to its elegant looks. The loudspeaker part which becomes visible after

the installation is protected by means of electroplating and covered by a common and aesthetic white paint coat (RAL 9003) – optionally available other colours (RAL palette). ABT-S206 is equipped with a standardized fire dome made of soft steel and supplied with two cable penetrations with rubber glands. Special jig for sling assembling facilitates quick installation. Two ceramic blocks and fireproof wiring coupled with temperature limit fuse are located inside fire dome. The individual power rating is selected by means of connection with applicable transformer branch.

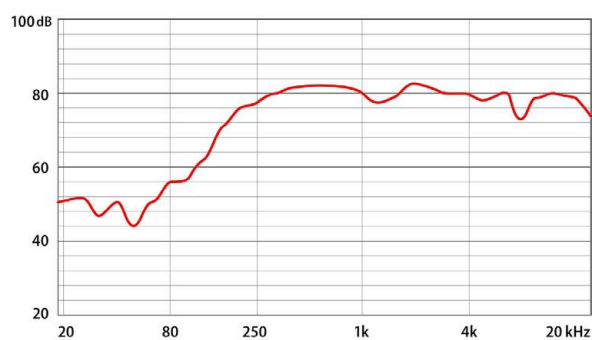
ABT-S206 loudspeaker equipped with fire dome and thermal protections entirely comply with EN 54-24 Standards. In order to ensure 100% consistency with the highest quality standards we test our loudspeaker following the most meticulous procedures that warrant high parameters of sound emission, safety, and reliability. In spite of the fact our loudspeaker is designed for the highest reliability under fire conditions, their acoustic parameters and attractive low prices make them successful in any and all public address systems.

## CHARACTERISTICS

- » *Highest level of speech intelligibility*
- » *6-watt transformer allowing precise selection of the speaker power*
- » *Modern and elegant design*
- » *High quality sound of both speech and music*

		ABT-S206
<b>Electrical</b>		
Rated power, W		6
Tappings 100 V line according to EN 54-24, W		6 / 3 / 1,5 / 0,75
Tappings 70 V line, W		3 / 1,5 / 0,75 / 0,38
Transformer impedance @ 100 V, $\Omega$		1667 / 3333 / 6667 / 13333
Driver impedance, $\Omega$		8
Effective frequency range, Hz		82–20000
Sensitivity @ 4 m, 1 W, dB		79
SPL @ 4 m, rated power, dB		86
SPL @ 1 m, 1 W, dB, test signal bandwidth 300 Hz–6 kHz		91
SPL @ 1 m, rated power, dB, test signal bandwidth 300 Hz–6 kHz		99
Dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]		180 / 180 / 160 / 85
<b>Environmental</b>		
Environmental type / IP rating according to EN 54-24		A / IP21C
IP rating		32C
Min./max. ambient temperature		-10°C / 55°C
<b>Mechanical</b>		
Dimensions, mm		Height 130, $\varnothing$ 204
Net weight, kg		1,34
Colour		Biały (RAL 9003)
Material		Steel
Mounting		Spring clamp
Cut-out, mm		$\varnothing$ 170
<b>Option</b>		
For DC line monitoring		Capacitor (ABT-S206C)
Colour optional		RAL palette

Frequency band:



Circular chart of directional characteristic:

