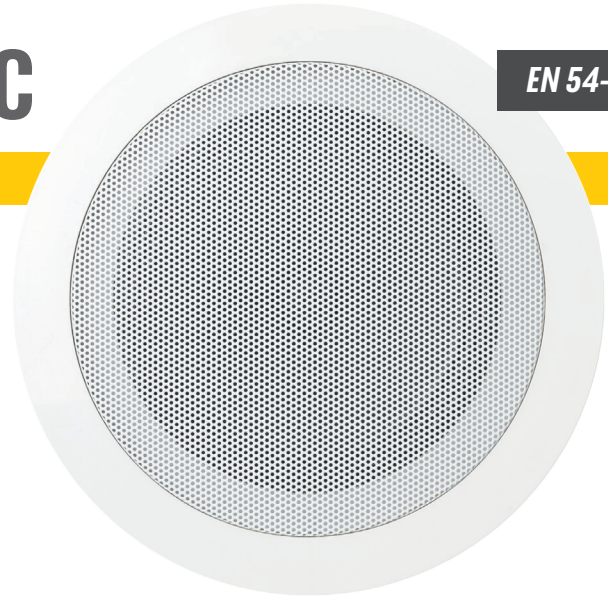


ABT-S183/ABT-S183C

EN 54-24

CEILING-MOUNTED LOUDSPEAKERS

- ✓ Full compliance with EN 54-24 Standard
- ✓ Certificate of Conformity: 1438-CPR-0648
- ✓ Compliance with BS5839-8 standard (thermal protection)



Ceiling mounted fire alarm ABT-S183 loudspeaker is designed for operations at high acoustic levels. Actual wide band high efficiency ensures the best understanding of verbal messages. Its parameters have been carefully selected to comply with suspended ceiling applications.

Thanks to the most advanced technologies ABT-S183 loudspeaker combines excellent acoustic parameters and high aesthetics. It is distinguished by easy and quick installation.

Quality standards and audio characteristics have been confirmed through tests and trials in an anechoic chamber, resistance and integrity testing equipment, as well as chambers for resistance to weather and air humidity testing.

The ABT-S183 loudspeaker ensure a balanced sound which is extremely important in emission of highly understandable speech.

ABT-S183 is equipped with a standardized fire dome made of ABS and supplied with two cable penetrations with rubber glands.

The individual power rating is selected by means of connection with applicable transformer branch.

ABT-S183 loudspeaker equipped with fire dome, ceramic block and thermal protections entirely comply with EN 54-24 Standard. In order to ensure 100% consistency with the highest quality standards we test our loudspeakers 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.

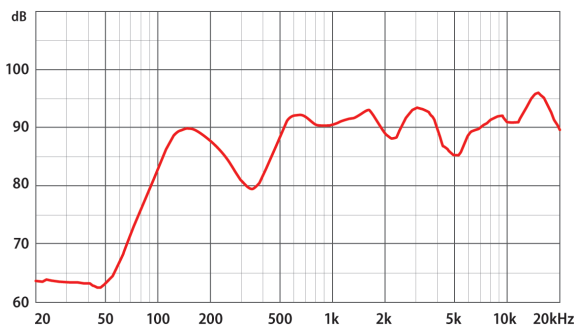
CHARACTERISTICS

- » **The highest level of speech intelligibility**
- » **Elegant looks**
- » **6 W transformer allowing a precise selection of loudspeaker output power**
- » **100% protection of line from breaks and short-circuits**



		ABT-S183 / ABT-S183C
Electrical		
Rated power, W		3
Tappings 70 V line, W		3 / 1,5 / 0,75 / 0,37
Transformer impedance @ 70 V, Ω		1667 / 3333 / 6667 / 13333
Driver impedance, Ω		8
Effective frequency range, Hz		120 – 20 000
Sensitivity @ 4 m, 1 W, dB		77
SPL @ 4 m, rated power, dB		81
SPL @ 1 m, 1 W, dB, test signal bandwidth 300 Hz – 6 kHz		79
SPL @ 1 m, rated power, dB, test signal bandwidth 300 Hz – 6 kHz		93
Dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]		180 / 180 / 150 / 90
Environmental		
Environmental type / IP rating according to EN 54-24		A / IP21C
IP rating		32C
Min./max. ambient temperature		-10°C / 55°C
Mechanical		
Dimensions, mm		Height 75, ϕ 175
Net weight, kg		0,66
Colour		White (RAL 9003)
Material		ABS
Mounting		Spring clamp
Cut-out, mm		ϕ 150
Option		
For DC line monitoring		Capacitor (ABT-S183C)

Frequency band:



Circular chart of directional characteristic:

