Product data sheet

ABT-P20

Sound Projector ABT-P20

Overview

Fire alarm ABT-P20, ABT-P20P loudspeakers have been designed and manufactured for the most demanding customers as well as to meet the requirements of the most complex and sophisticated sound transmitting applica¬tions. Thanks to the contribution of advanced technologies they combine excellent acoustic parameters and high aesthetics with resist¬ance to mechanical damages and varying weather conditions as well as low prices. Their additional quality is an exceptionally quick and simple installation.
Quality standards and audio characteristics have been confirmed through tests and trials in an anechoic chamber, resistance and integ¬rity testing equipment, as well as chambers for resistance to weather and air humidity testing. The need to maintain the best acous¬tic parameters was the idea underlying the design process.
ABT-P loudspeaker models emitting the sound which features directional characteristic and high efficiency. 5-inch 2-cone wide band loudspeakers used in these series are excellent alternative solution for horn-type units due to wide frequency band. They prove excellent in both musical and verbal applications. ABT-P20 and ABT-P20P loudspeakers are enclosed in round casings made of extruded aluminium; they feature a high class of protection from humidity.
Thanks to directional characteris¬tic of sound propagation our loudspeakers are mostly applied on circulation routes and in wide area sound emission. Due to resist¬ance to weather conditions the loudspeakers prove excellent in industrial halls, warehouses, as well as partly open spaces exposed to outdoor weather conditions.
Apart from high mechanical and functional resistance ABT-P loudspeakers entirely comply with global requirements for systems, includ¬ing also the British Standard No. BS5839 Part 8 and EN 54-24.
Technical solutions applied in the design ensure continuous operations of sound-trans¬mitting line connected with the loudspeaker even in the case the latter is damaged or burnt as a result of fire. The said protection is composed of ceramic blocks installed inside the loudspeaker, internal fireproof wiring, and temperature limit fuse. Two sound-trans¬mission cable penetrations in the casing are insulated by means of two cable glands. Inside the fire zone the loudspeaker is isolated from the entire line, which ensures line continuity and uninterrupted broadcasting of emergency messages. The individual power rating is selected by means of connection with applicable transformer branch.
ABT-P loudspeakers are designed for con¬tinuous operations at rated parameters for at least 100 hours in compliance with the IEC-268-5 Standard.
ABT-P20P loudspeakers are designed for pendant mounting. They are equipped with an additional junction box enabling simple and quick speaker installation. They are used wherever the distance from ceiling mounted speaker is too large.

Details

- Designed to achieve directional characteristic of sound emission 20 W transformer with multiple branches ensuring accurate selection of output power Enclosed in an advance and functional cylindrical casing made of extruded aluminium Ideal for either ceiling or wall installation Fireproof casing with ceramic block and thermal fuse High sound quality in music and speech emission

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Technical specifications

Electrical

Power consumption	20 W
Line operating voltage	100 V
Output level	79 dB
Frequency	130 - 20000

Physical

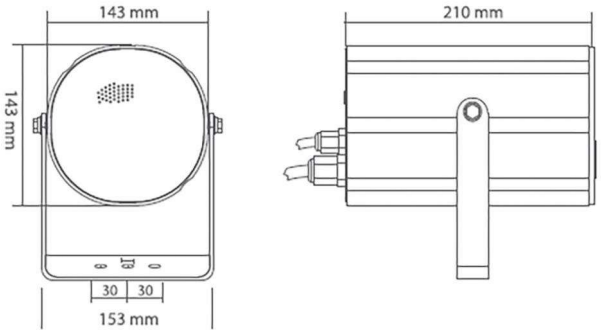
Physical dimensions	143 x 210 mm (Ø x H)
Net weight	2.4 kg
Colour	White (RAL 9003)
Mounting type	Wall bracket
Mounting position	Ceiling, Wall
Housing material	Extruded aluminium

Environmental

Operating temperature	-25°C / 70°C
Environment	Indoor / Outdoor
IP rating	66

Standards & regulation

Standards	EN54-24 BS5839-8 thermal protection



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