

MCR-SWSM6

Surface-mounted Loudspeaker

- ✓ Full compliance with EN 54-24 Standards
- ✓ Certificate of Conformity issued by ITB: 1488-CPD-0168/W



Fire alarm MCR-S 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 applications. Thanks to the use of advanced technologies they combine excellent acoustic parameters and high aesthetics with resistance 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 multiple tests and trials we have applied for many years, including e.g. our own echo-proof chamber, resistance and integrity testing equipment, as well as chambers for resistance to varying weather and air humidity testing.

The need to maintain the best acoustic parameters was the idea underlying the design process. MCR-SWSM6 Loudspeakers have been designed as surface or ceiling-mounted units for a wide area of applications. Thanks to their steel casings the loudspeakers are vandal-proof and more resistant to any mechanical damages.

Our loudspeakers are perfect on any circulation routes and in staircases located in shopping centres, offices, schools, hotels, hospitals, and industrial buildings. Moreover, loudspeakers of the kind are commonly used in underground car parks. In spite of its steel casing the loudspeaker mingles well with any interior and is virtually invisible thanks to its small dimensions and neat white finish.

Apart from high mechanical and functional resistance MCR-SWSM6 loudspeakers entirely comply with global requirements for evacuation systems, including also the British Standard No. BS5839 Part 8 and EN 54-24. They have been certified by ITB. Technical solutions applied in the design ensure continuous operations of sound-transmitting 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 temperature-proof ceramic blocks installed inside the loudspeaker, internal fireproof wiring, and temperature limit fuse.

Two sound-transmission cable penetrations in the casing are insulated by means of two rubber cable glands. Inside the fire zone the loudspeaker is isolated from the entire line, which ensures line continuity and uninterrupted broadcasting of fire escape messages. The individual power rating is selected by means of connection with applicable transformer branch.

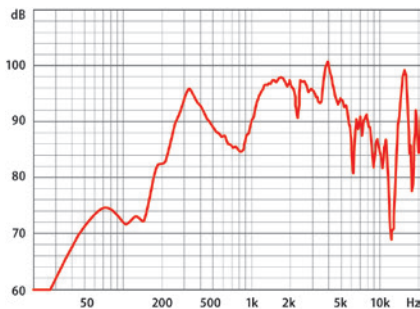
All the MCR-S loudspeakers are designed for continuous operations at rated parameters for at least 100 hours in compliance with the IEC-268-5 Standard. To be quite sure our loudspeakers comply with the highest quality standards we test them thoroughly following the most meticulous procedures that warrant excellent parameters of sound emission, safety, and reliability. They are also recommended for use in any and all public address systems.

- › **Exceptionally simple and quick installation**
- › **Advanced and functional finish of external visible cover which mingles with every interior**
- › **High sound quality of either musical or verbal messages**
- › **6 W transformer with multiple branches ensuring accurate selection of output power**
- › **External screen made of galvanised steel available in any colour according to the RAL Palette**

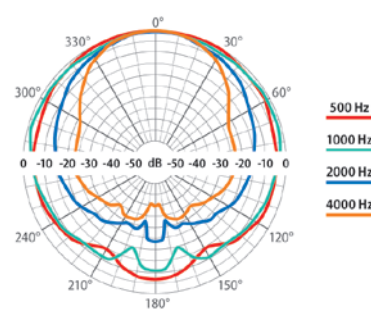


	MCR-SWSM6
Electrical	
Rated power, W	6
Tappings 100V line, W	6 / 3 / 1,5 / 0,75
Transformer Impedance, Ω 100V	1667 / 3333 / 6667 / 13333
Driver impedance, Ω	8
Effective Frequency Range, Hz	150 – 18000
Sensitivity @ 4m, 1 W, dB	77
SPL @ 4m, Rated power, dB	86
SPL @ 1m, 1 W, dB, Test Signal Bandwidth 300 Hz – 6 kHz	93
SPL @ 1m, Rated power, dB, Test Signal Bandwidth 300 Hz – 6 kHz	101
Dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	360 / 170 / 120 / 70
Environmental	
Environmental type / IP Rating according to EN 54-24	B / IP33C
IP Rating	33
Min / Max Amb Temp	-25°C / 70°C
Mechanical	
Dimensions, mm	163,5 x 163.5 x 60
Net Weight, kg	2
Colour	White (RAL 9003)
Material	Steel
Mounting	Screw
Option	
For DC line monitoring	Capacitor
Colour optional	RAL Palette
Ease Model	✓

Frequency band:



Circular chart of directional characteristic – horizontal:



Circular chart of directional characteristic – vertical:

