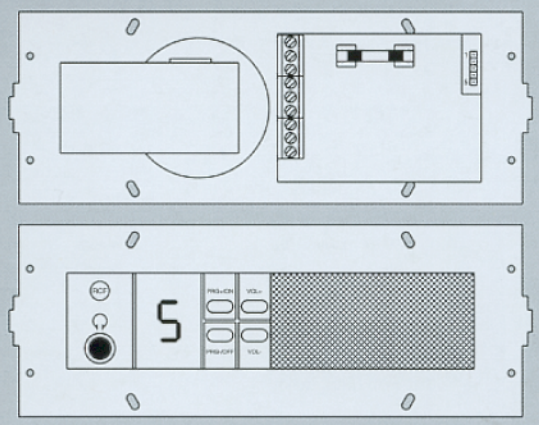
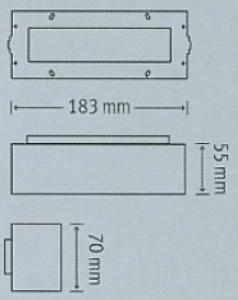
Soundy 2000

Multi-Channel Sound System

The Soundy 2000 system has been designed for use in hotels and other community and residential facilities. With this system, 6 different musical programmes can be transmitted using a single 3-conductor cable. A special local receiver makes it possible for the individual user to select the desired programme. System functioning is based on the transmission of 6 carriers modulated in amplitude. This method, combined with a balanced line with earth wire for shielding, is insensitive to electromagnetic disturbance and can thus be used in particularly harsh environmental conditions. The use of SMD (Surface Mounting Device) technology provides excellent reliability and resistance to mechanical vibration as well as compactness, so that the receiver can be installed in a single flush-mounting box. The precise design and carefully selected components provide a good compromise between sound level and internal dissipation, thus allowing easy installation and reduced but safe wiring.

SOUNDY 2002





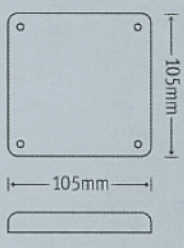
SOUNDY 2002

Code no. 171.70.048

Receiver

The Soundy 2002 is the receiver element for the Soundy 2000 wire broadcasting system, and is composed of two distinct sections: the tuner and the speaker. The electronic part, located entirely in the tuner section, consists of a quartz-controlled frequency tuning circuit for the 6 wire broadcasting channels. The speaker unit incorporates an 8-ohm loudspeaker with plastic cone. Four soft-touch buttons on the front panel of the receiver make it possible to adjust the volume, select the desired channel, and switch the equipment On or Off. The selected channel number is shown on a digital display with luminousity that varies automatically in relation to the ambient light. The Soundy 2002 also includes two pre-out terminals for the low frequency audio signal that can be used to drive the input of a normal amplifier directly and enable high level sound diffusion when necessary. The mono headphone jack on the front panel can be used for personal listening so as not to disturb others in the vicinity. The Soundy 2002 has been designed for installing in the wall in a normal flush-mount box for electrical systems or directly on furniture, with a contemporary design that makes it easy to integrate into any system. For ensuring the best coordination with the existing decor, the Soundy 2002 is supplied without the front cover-plate so that the user can purchase the most appropriate colour. Precise engineering and carefully selected components, along with SMD technology, make the Soundy 2002 extremely compact, reliable and resistant to mechanical vibrations.

SOUNDY 2006



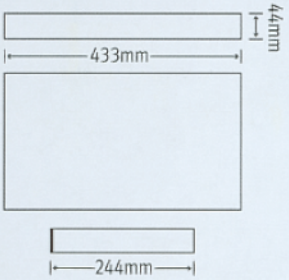
MF 2070

Code no. 171.70.053

Six-channel modulator

In areas not covered by the national wire broadcasting system, or whenever local audio programmes are to be transmitted, the MF 2070 six-channel modulator must be incorporated in the Soundy 2000 system. Using a normal 3-conductor telephone cable, this modulator makes it possible to transmit 6 programmes generated locally by normal sound sources of the Hi-Fi and professional type (cassette players, tuners, compact disc players, etc.). The modulator includes a wide band high frequency amplifier which can directly drive approximately 80 Soundy 2002 receiver units. The special impedance-changer terminals on the rear of the modulator make it possible to improve distribution of the signal along the line and drive up to 4 different lines. LEDs on the front panel of the modulator are used for verifying the presence of the 6 channel carriers and controlling the signal level of each individual source connected as well as that of the wide band amplifier output. In the Soundy 2000 system, the modulator also makes it possible to switch on the 6th channel of all the receiver units to transmit an alarm signal at high volume, independently of the channel and volume selected by the user. Thanks to precise engineering and carefully selected components, along with the attractive contemporary design and the metallic enclosure of one rack unit size, the MF 2070 is reliable, compact, and easy to integrate into any environment. The unit can be installed on shelves or in the CR 2500 series rack enclosures using the AR 1051-N accessory (code no. 173.10.058).

MF 2070



SOUNDY 2006

Code no. 171.70.052

Amplifier

The Soundy 2006 is a wide band high frequency amplifier to use in conjunction with the Soundy 2000 system to drive a group of approximately 80 Soundy 2002 receiver units divided over four lines. The Soundy 2006 amplifier is equipped with an impedance changer that adapts the amplifier to the impedance of the wire broadcasting output line. For each group of 80 receiver units used, up to a maximum of 6400 receiver elements that can be connected to the system. Installation of the Soundy 2006 is quick and easy, as the amplifier is attached behind a white aluminium cover-plate of the type normally used for electrical system flush-mounting boxes.

SPECIFICATIONS	SOUNDY 2002
Receiver frequency	CH 1: 178 KHz CH 2: 211 KHz CH 3: 244 KHz CH 4: 277 KHz CH 5: 310 KHz CH 6: 343 KHz
Output power	1 W at 8 Ω
Pre-out level	100 mV
Power supply/Consumption	220 Vac / 3 VA or 12 Vdc
Overall size	6 modules (without front coloured frame)
Dimensions	000 x 000 x 000 mm
Installation	in flush-mounting box

SPECIFICATIONS	SOUNDY 2006
Power supply/Consumption	220 Vac
Dimensions	105x105 mm
Installation	in flush-mounting box

SPECIFICATIONS	MF 2070
Receiver frequency	CH 1: 178 KHz CH 2: 211 KHz CH 3: 244 KHz CH 4: 277 KHz CH 5: 310 KHz CH 6: 343 KHz
Output power	
Carrier only	10 mW / channel
With modulation	50 mW peak/channel
Output voltage attenuation	0 - 26 dB
Wire broadcasting line output impedance	25 / 100 Ω
Low frequency section characteristics	Channel modulators including automatic level control Low-pass filter Pre-emphasis of 3 dB at 6 kHz
Low frequency inputs	Six 5-pin DIN sockets
Low frequency input impedance	150 KΩ
Low frequency input sensitivity	150 - 3000 mV (with 30% modulation)
Power supply/Consumption	220 Vac
Absorbed power	12 VA
Dimensions	433 x 44 x 244 mm