

IFAMAMP

250W AMPLIFIER MODULE FOR PREVIDIA ULTRAVOX CONTROL PANELS

250W audio amplifier module for Previdia Ultra control panels (supplied already assembled in Previdia-Ultravox and Previdia-Vox control panels).

Provides two lines for connecting speakers configurable in A /B mode or in loop mode, each line is protected separately against short circuit.

The impedance of the speaker line is supervised by a high frequency tone.

Includes an analogue input for an audio source with adjustable priority for the amplifier line only.

Configurable as a backup amplifier capable of automatically replacing a faulty amplifier inside the same control panel. Each control panel manages a maximum of 30 IFAMAMP modules (maximum 8 for each cabinet).





— TECHNICAL SPECIFICATIONS

Main features

- Class D amplifier
- Connectable to the CAN DRIVE+ bar of Previdia Ultravox cabinets
- Maximum 30 IFAMAMP modules per control panel (8 per cabinet)
- Output voltage 100Vrms
- Maximum power 250W
- Overload protected
- 2 terminals for connecting the speakers on 2 separate lines (LINE A/LINE B)
- · Each line individually short-circuit protected
- Configurable as a loop connection (IAS-ISOL1000 isolator modules are to be added to the loop)
- · Can be configured as a backup amplifier
- "LOCAL AUDIO" input with configurable priority for audio sources intended for the power supply speaker line only
- Hot arming/disarming on the CAN DRIVE+ bar
- Volume and 3-band equalization separately adjustable for sources such as music, voice announcements, emergency

Electrical specifications

Power supply voltage		20 -30 V- (powered by the CAN DRIVE+ bar)
Standby current consumption		530 mA (14W)
Absorption in the event of mains power failure and no emergency		100 mA (2.5W) MAX.
Maximum current draw		10A (250W + 14W)
Speaker lines LINE A / LINE B	Voltage of outputs	100 Vrms max.
	Maximum load	250 W total
	Minimum resistance	40 Ohm total
Audio input LOCAL AUDIO	Input voltage	Maximum 1 Vrms (non balanced between "+" and "GND" or between "-" and "GND")
	Input impedance	10 KOhm
Frequency response		50 - 20000 Hz
Sources MUSIC / VOICE ANNOUNCE- MENTS / EMERGENCY	Separate volume adjustment	+6 / -40 dB
	Separate 3-band equalization	+6 / -40 dB

Mechanical specifications

Dimensions		175.5 x 160 x 40 mm
Weight		900 g
Enclosure	material	Plastic
	colour	RAL7015
	flame class	UL 94 V-2

Hardware specifications

Amplifier type	D class
Cooling	With internal fan
Firmware upgrade	via mini-USB port
Activity and status LED	5

Dimensions and installation







CONNECTIONS



Not balanced source LOCAL AUDIO ØØØ Max. 1Vrms OUT GND _ + @@@@ 100V 70V 1V GND IAS-ADAPT1000 2 pole twisted shielded pair cable 000 ò jumper FILTER 777 SND 20KHz 1V removed **Balanced** source LOCAL AUDIO 000 Max. 1Vrms ind — + 0000 OUT 100V 70V 1V GND IAS-ADAPT1000 2 pole twisted shielded pair cable . . 000 jumper FILTER

GND 20KHz 1V

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removed

777



ORDER CODES

IFAMAMP	250W audio amplifier module for Previdia Ultra control panels (a module supplied already assembled in the Previdia-Ultravox and Previdia-Vox control panels)
IAS-ISOL1000	100V speaker line isolator module for ring connections
IAS-EOL1000	End of line for speaker line with total power less than 20W
IAS-ADAPT1000	Module for adapting and decoupling audio signals input into the control panel



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