



## ISA-253 In-Wall Amplifier/Mixer

simple installation

compact size

easy operation

selectable inputs

The ISA-253 is a 16 watt in-wall amplifier/mixer that mounts into a standard 3-gang deep masonry box, such as the RACO 697, the BOWERS 3-MB, or equivalent. Each of the amplifiers' two inputs are selectable between a balanced Lo-Z microphone level or a balanced line level input. Both inputs have a separate volume control. Their in-wall chassis' are made of a rugged .090" aluminum coated with an off-white epoxy based paint, and the faceplate consists of a tough polycarbonate overlay. It also features a removable locking door that is available with either a keyed camlock (standard) or a thumbblatch camlock.

The ISA-253 is powered by a UL listed 40VA wall transformer that comes with the amplifier. The amplifier provides selectable 20VDC phantom power for each of the microphone inputs.

## Specifications:

Power Output . . . . .	16 Watts RMS @ 8 ohms 21 Watts RMS @ 4 ohms
Frequency Response . . . . .	20 Hz to 20 kHz +0/-1 dB @ rated power
Distortion . . . . .	Less than 0.2%, 20 Hz to 20 kHz @ rated power
Signal/Noise Ratio . . . . .	70 dB
Input Impedance/Sensitivity . . . . .	Mic: 2 Kohms / 3mV Line: 56 Kohms / 50mV
Output Impedance (Preamp Out) . . . . .	100 ohm
Speaker Outputs . . . . .	4 ohm to 16 ohm continuous
Amplifier Protection . . . . .	Thermal and short circuit
Power Requirements . . . . .	14 to 18VAC @ 2A (16.5VAC 40VA supplied)
Dimensions . . . . .	6.0" H X 7.4" W X 2.25" D
Weight . . . . .	1.1 lbs.

## Architects'/Engineers' Specifications:

The amplifier/mixer shall mount into a standard 3-gang deep masonry box. The amplifier/mixer will have selectable mic/line inputs, and separate volume controls for each input. The amplifier shall have a rated power of 16 watts RMS into 8 ohms with less than 0.2% distortion. The amplifier/mixer will have a removable, locking door. The amplifier/mixer shall be an Emtech ISA-253.

## Related System Components:

- MSC Series Sound System Control modules (see related literature for mic/line input and control modules).
- MJ Series Microphone Input Panels (see related literature).

## Warranty:

Emtech Electronics, Inc. warrants the ISA-253 for a period of one year, from the original date of purchase, against defects in parts and workmanship. If a defect occurs, the unit will be repaired or replaced, at our option, free of all charges if delivered prepaid to the factory. Warranty does not extend to finish, appearance, abuse or defects due to the misuse or operation under other than specified conditions, nor does it extend to incidental or consequential damages. Repair by anyone other than Emtech will void the warranty.

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