

F230A Digital 30W x 2 Amplifier

Introduction

The F230A is a two channel, 30 Watt per channel, audio amplifier with Automatic Gain Control (AGC) circuitry. It has two separate audio channels to allow for various audio configurations, including stereo operation and zoning.

The AGC circuitry enables the amplifier to monitor the ambient noise level in a given area, via a remote microphone (included), and automatically adjusts the output level from the amplifier so that the generated sound is always maintained at a constant level above the ambient noise. This is desirable in areas where the ambient noise levels vary due to environmental conditions.

The inbuilt AGC circuitry can either be disabled (non AGC operation) or enabled (AGC operation). When used in non-AGC operation the amplifier functions as a conventional 30 Watt per channel amplifier.

Suitable to be used with either FeONIC's F1.3 or F4 Sounders.



F230A Amplifier

Features

- Microprocessor controlled**
- 2 channels (stereo)**
- Automatic Gain Control (AGC)**
- Independent output level control for each channel**
- Class 'D' technology**
- Low power consumption**
- Wall or rack (1U) mount**

Specifications (general)

- Power requirements:** 24VDC, 2Amps, filtered
- Audio in connections:** Phono sockets
- Audio out connections:** Phoenix screw terminals
- Dimensions:** 18.0cm (W) x 29.9cm (L) x 4.4cm (H)
- Weight:** 1.18Kg

Specifications (per channel)

- Input impedance:** 10k Ω
- Output impedance:** 8 Ω
- Output power:** 30 Watts music
- Frequency response:** 50Hz-17kHz
- Operating temperature:** 0 $^{\circ}$ C - +50 $^{\circ}$ C