Multicom 2000®

Analog Card
Model MCACB

Description

The MCACB Analog Card contains a 20-watt program amplifier and a 12-watt intercom amplifier. The program amplifier features low distortion (less than 1%), and a frequency response of +0, -1 dB from 100 Hz to 20 kHz. The intercom amplifier automatically controls the direction of speech VOX circuit without the use of relays. Crosspoint switches handle signal routing. Decoding for the relay driver circuits on the associated MCRC relay card or MCRM relay module card is handled by the MCACB.

Features

- Provides amplification for one bank of 24 stations
- Requires an associated relay card or relay module and generally a station card also
- Provides the signaling for relay control on the MCRM or MCRC
- Powered by the MC2626B power supply
- Two 1A Slo-Blo fuses, riding on the +26V and -26V rails
- Two front edge fuse status LEDs
- Privacy detection circuitry
- One 20-watt program amplifier
- One 12-watt intercom amplifier

Architect and Engineer Specifications

The MCACB Analog Card shall provide separate program and intercom amplifiers and crosspoint switches (8 x 12 matrix) for signal routing. The program amplifier shall be rated at 20 watts with less than 1% distortion. The frequency response shall be +0, -1 dB from 100 Hz to 20 kHz. A control shall be provided to adjust the amplifier output level. The intercom amplifier shall be rated at 12 watts. It shall be the talk back type and shall automatically control the switching of the intercom path. The intercom amplifier shall include controls to adjust the talk back level, switching sensitivity, and switching delay. The MCACB shall connect through the backplane of the mainframe to the MCRC relay card or the MCRM Relay Module via a 50-conductor ribbon cable (part of MCCA or MCRCA cable assembly).

Technical Specifications

Dimensions:	10-9/16" W x 8-1/8" H x 1" D
Weight:	1 lb.
Power:	MC2626B Power Supply (sold separately)

Part No. 54-8023-02A 0409

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