1009505000

FBSAR

Audio Interface Unit

Description

- Provides interface to non-selective radio systems (1 base station)
- Two relays for busy marking of external equipment and transmitter keying
- Two optocouplers, which may be used for mutual busy marking
- Provides interface to PA systems (2 PA zones)
- DC termination of two subscriber outputS
- Two filters to remove carrier for display data signals on two subscriber audio outputs
- Second channel may be used as filter / PA adapter only
- Galvanic separation between the exchange and external equipment
- +24 V supplied from the AlphaCom E26 exchange via Power Distribution Board (PDB), needed only if the relays are used

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The Filter Board and Speech Adapter with Relay provides an interface to PA systems. It has filters that remove the display data carrier from the audio. In this way, excessive heating of power amplifiers is prevented. It also provides DCtermination to subscriber outputs (corresponding to non-display stations).

For interface to non-selective mobile radios, it provides two relays that are controlled by RCO, C-wire for busy marking of the external equipment and control of transmitter keying. There are also two optocouplers that can be used for mutual busy marking.

The board has two audio transformers that provide galvanic separation between the intercom exchange and external equipment.

The relays use +24 V from the exchange. If the relays are not used, no power is required. The FBSARis fastened onto the mounting rail on the connection field of the AlphaCom exchange.

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Specifications

GENERAL

Input Voltage:,Maximum Current:	+24 VDC, 20 mA (relays)
Audio input level	5 mV - 1.5 V
Audio output level	0-7 V
Input impedance	600 ohm
Output impedance	600 ohm
Cable requirements betwen the board and the exchange	0.5 mmø / 22 AWG
Connection to the AlphaCom exchange	Cables provided with the board
Recommended room temperature (non-condensing)	0ºC to + 35ºC, +32ºF to + 95ºF
Dimensions	100 x 100 mm, 3.9” x 3.9”

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