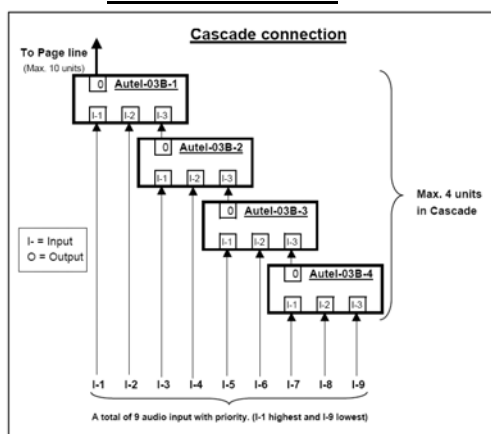


PRIORITY THREE (3) CHANNEL AUDIO MIXING AMPLIFIER WITH BUILT IN VOX. MODEL AUTEL-03B.



Model AUTEL-03B



FEATURES AND BENIFITS

- Interfaces a zero dB audio signal (0,7V across 600 Ohm) to Page/Party level (1,5Volt across 33 Ohm.)
- Three (3) independent entries zero dB all galvanic separated and fully separately adjustable input levels. Input 1 has highest priority. Input 3 lowest. Priority functionality can be switched off by simply jumper setting.
- "Cascade" connection up to 4 models AUTEL-03B providing up to 9 audio channels with priority function.
- Balanced output avoiding hum and grounding problems.
- Clear LED indication per channel of blocked or activated channels.
- Output contact closure per channel when channel activation is detected making the unit suitable for VOX operation applications.
- Screw terminals for direct connection to the field cabling.

The model AUTEL-03B is a three channel priority One-way mixing amplifier interfacing the input impedance of 600 Ohm to an output impedance of 33 Ohm.

This makes the unit ideal for One-way merging page lines of different GAI-TRONICS Page/Party intercom systems.

The AUTEL-03B allows as well interfacing of other signal sources such as alarm generators, telephone audio signals or any kind of audio signal source what needs to be connected to the Page line. Thanks to the built in priority function, alarm tones may have first priority above live messages or visa-versa.

The unit provides as well VOX operation facility per channel. A contact closure is available as soon as audio is detected.

A maximum of ten (10) AUTEL-03B units may be connected at the output side to the same Page line. At the same time a maximum of four (4) AUTEL-03B units may be put in cascade at the input side in order to create more priority audio inputs. (See diagram above). The unit operates at 24VDC and is DIN rail mounted.

Specifications.

Construction/Mounting : Din rail PVC housing / DIN rail with two (2) clips.

Power requirements : 24VDC (+/- 25 %) at 64mA.(Output loaded with 33 Ohm)

Inputs (all) : 0,7 Volt RMS at 600 Ohm galvanic signal transformer. Includes lighting protection. Channel 1 highest priority, channel 3 lowest.

Output : 1,5V RMS at 33 Ohm load balanced output at 1kHz. Output impedance +/- 1KOhm.

VOX : Contact closure at 36mV input signal (transistor opto-coupler) per channel. Max 30VDC/ 4mA non induct. Contact open at 15mV input signal. Switch off delay 2 sec.

Controls : separate input volume control per channel. Jumper "PRIORITY ON/OFF". Possible priority settings (from left to right) are :

- 1) OFF = mixer with VOX and no priority. Output signal only present if input is above VOX level. Led indication if VOX level is reached.
- 2) = Standard mixer no VOX and no priority. All green leds will be activated.
- 3) ON = mixer with VOX and priority.

Field connection : screw connection. Maximum 1,5mm²

Diagnostics : "Power present": green LED. Channel "Activated": green LED. Channel "Blocked": red LED.

Temperature range : Minus 10°C to +60°C. (20-80% humidity)

Dimensions (HxWxD) : 55x75x85mm. (Including DIN rail bracket)

Shipping weight : 0,1Kg

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