PRONOR

SPEECH/TONE GENERATOR
4 CHANNELS. MODEL SPT4-001.

FEATURES AND BENIFITS

Model SPT4-001
Speech/Tone generator 4 channels
(Use audio loading board (ALB-001) for message recording)

- Four- (4) independent speech/tone stored audio signals at high audio quality with priority function. (Input 1 has highest priority. Input 4 lowest.) Speech/tone starts immediately after presenting a closed contact to the corresponding input.

- Direct connection to the Page/Party line (1,5Volt across 33 Ohm) to a GAI-TRONICS intercom system. Balanced output avoiding hum and grounding problems.

- Separate zero dB galvanic output (adjustable up to 1,4Veff) for driving Public Address systems.

- Output contact "Message running" closure soon a message is started.

- Easy loading of message/tone using audio loading board.(ALB-001)

- Screw terminals for direct connection to the field cabling.

The model SPT4-001 is a four-channel priority speech/tone microprocessor controlled generator producing up to four- (4) different warning tones and/or voice messages to notify personnel of an emergency. Using the audio loading board (ALB-001) any tone or voice message can be loaded to the unit.
Each channel can store a message of maximum 50 seconds.

The SPT4-001 unit is provided with a 33 Ohms audio output, which allows direct connection to different GAI-TRONICS Page/Party intercom systems.
At the same time a galvanic 0dB output has been provided for driving Public address amplifiers.
Both audio outputs has independent individual volume controls.

The SPT4-001 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)   : Requires a dry momentary NO contact. Channel 1 highest priority, channel 4 lowest.
                        Message runs as long the contact is closed. (See below section "Controls" Jumper "Mode 1-2".
Outputs   : 1) 33 Ohms audio output:
                          Adjustable from zero to 1,5V RMS at 33 Ohm load balanced output. Output impedance +/- 1KOhm.
                        2) 0dB audio output:
                          Adjustable from zero to 1,4V RMS at 10Kohm load. Galvanic output. Output impedance 600 Ohm.
                        3) "Message running" output contact.
                           Opto coupler contact galvanic separated. Maximum 90VAC/DC and 0,11A. Contact will close soon a message is running.
Frequency response   : 100Hz up to 8KHz. Message stored into a non-volatile flash memory.
Audio loading format : The audio loading board (ALB-001) requires a standard analogue audio signal with minimum input of 0,2Veff and max. 0,7veff.
Controls   : - Volume control for 33 Ohms audio output.
                        - Volume control for 0dB audio output.
                        - Jumper "Mode 1-2" selection.
                          Mode 1 = Message will be interrupted and overruled by a if a higher priority message. (Message runs as long the contact is closed)
                          Mode 2 = Message will run out completely before starting a higher priority message.
Field connection   : screw connection. Maximum 1,5mm2
Diagnostics   : "Power present": green LED. "Recording started" red LED.
Temperature range   : Minus 10ºC to +60ºC. (20-80% humidity)
Dimensions (HxWxD)   : 55x75x85mm. (Including DIN rail bracket)
Shipping weight   : 0,1Kg