

## AUDIO MESSENGER INTERFACE (AMI).



**Model 10959-208**

19" mount Tone, Speech & Telephone interface  
(Model 10959-207 will have the same layout)



**Model 10959-203**

Wall mounted Tone, Speech & Telephone interface  
(Model 10959-201 will have the same layout)



**Option:** 12584-001 input/outputs expansion module

### FEATURES AND BENIFITS

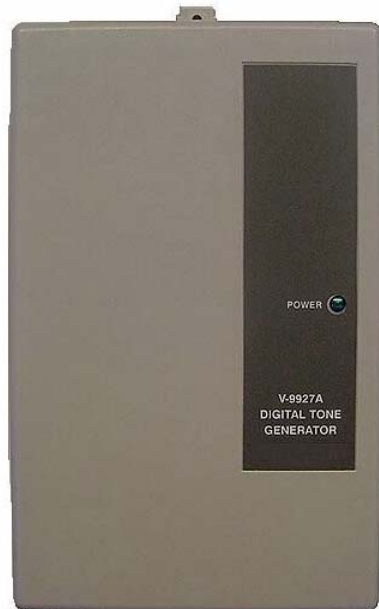
- Library of 15 tones microprocessor controlled. Includes alarms such as:
  - Gas leak
  - Fire alarm
  - Evacuation
  - Process alarms
  - Radiation leak
  - All Safe
- Priority function from highest to lowest.
- 33-Ohm as well 600-Ohm audio output on all models.
- Free recordable messages stored as MP3 on Compact Flash card.
- Up to 8 input/output contacts. (Order model 12584-001 to expand up to 40 input/outputs).
- VLC pilot tone (50Khz) included.
- CD quality sound reproduction.
- Telephone interface option. (See model numbers below).

The model 10959-001 up to -006 are programmable microprocessor driven tone/speech and telephone interface units producing warning tones to notify personnel of an emergency. Using the supplied software allows you to program the unit for any tone and speech message. As option an input/output expander is available expanding the unit up to 40 input/output contacts.

The telephone interface allows the user to dial in and make announcements over the Public Address system or if connected to a Page/Party intercom system, the user will be connected to a party line for full duplex intercom communication.

<u>Specifications</u>	<u>10959-201</u>	<u>10959-203</u>	<u>10959-207</u>	<u>10959-208</u>
Tones included	: Yes	Yes	Yes	Yes
Speech included	: Yes	Yes	Yes	Yes
Telephone interface included	: No	Yes	No	Yes
Mounting	: Wall	Wall	19"/1U	19"/1U
Output impedance	: .....33 Ohm as well 600 .....			
Frequency range	: .....20 to 20.000 Hz.....			
Wiring	: .....two wires audio output. Wiring to input/output contacts..... _			
Temperature range	: .....0°C to +50°C.....			
Protection	: .....IP42.....			
Construction	: Glass fiber re-enforced housing		Metal black painted	
Power requirements	: ..... 12-26VDC Power consumption 10Watt.....			
Audio output	: .....1,5V (33 Ohm) as well 0,775V (600Ohm).....			
Dimensions (HxWxD)	:334x236x98mm.		19"/1U/284D	
Shipping weight	: .....4Kg.....			

## DIGITAL MULTI-TONE TONE GENERATOR V-9927A



Model V-9927A

### FEATURES AND BENIFITS

- Library of 16 tones, including the “*USA standard Immediate Evacuation signal for industrial areas*”.
- Easy to use and install. No software required.
- Max. audio output 1V across 4 Ohm.
- Audio output galvanic separated.
- Screw connection for field cables.
- Automatic priority in case of multiple alarms is presented at the same time.
- Mute of paging signal during alarm.

The model V-9927A is a 16-tone microprocessor controlled multi-tone generator capable of producing alarm or announcing tones for industrial applications.

The tone selected by terminal 1 has priority over others. If multiple tone inputs are being used, it is possible to sequence tones by closing the appropriate contacts in the desired sequence. If multiple tones are selected at the same time, the lowest tone number will have priority. When a tone is activated the paging input signal will be faded out.

### Specifications

Power requirements	: 24VDC at 0,1A.	
Tone table	: Tone 1: Whoop 1	Tone 9 : Siren
	Tone 2: Dual chime	Tone 10: Yelp
	Tone 3: Burst 1	Tone 11: Warble
	Tone 4: Steady 1	Tone 12: Steady 2
	Tone 5: Telephone bell	Tone 13: Burst 2
	Tone 6: Chime 1	Tone 14: Chime 4
	Tone 7: Chime 2	Tone 15: Chime 5
	Tone 8: Chime 3 (Code)	Tone 16: Chime 3 (Code)
Temperature range	: 0C to +50C at humidity 0-85% non-condensing.	
Audio output	: Max 1Volt RMS across 4 Ohm. (Minimum load is 20 Ohm)	
External controls	: Jumper for tone bank selection, volume potentiometer.	
Dimensions (HxWxD)	: 208x116x58	
Shipping weight	: 0,7Kg	

## DIGITAL MESSAGE/ALARM GENERATOR LBB1965/00



**Model LBB1965/00**

(19" mounting brackets included but not shown on picture)

### FEATURES AND BENIFITS

- Up to 12 messages and or alarm tones with 12 corresponding trigger inputs.
- Easy upload in WAV- format using a standard PC.
- Stand-alone unit and compliant with standards for emergency sound systems.
- Front panel control as well remote control.
- Automatic priority in case of multiple alarms is presented at the same time.

### OPTIONS

**AUTEL-03** = 33 Ohm output for direct connection to a GAI-TRONICS Page/party system.

The model LBB1965/00 is a high performance stand-alone digital message and or alarm tone generator capable of producing 12 alarm or message tones for industrial applications.

There is no need for data retention battery backup. Each message can have any length within the total available capacity. (8 minutes when recorded at standard sound quality or 2,7 minutes if recorded at CD quality)

The unit has 12 contact closure trigger inputs for starting the message/alarm. The message/alarm selected by terminal 1 has priority over others. If multiple messages/alarms are selected at the same time, the lowest message/alarm number will have priority.

The LBB1965/00 is direct suitable for emergency evacuation messages as per IEC60849 standard.

#### Specifications

Power requirements : 230V/115VAC 50-60Hz at 50VA and 24VDC power supply input at 1 A.

#### Message

Message format : WAV-file 16 bit PCM mono. Supported sample rates:

- 24KHz at frequency response 100Hz - 11KHz
- 22,05 kHz at frequency response 100Hz - 10KHz
- 16 kHz at frequency response 100Hz - 7,3KHz
- 12 kHz at frequency response 100Hz - 5,5KHz
- 11,025 kHz at frequency response 100Hz - 5KHz
- 8KHz at frequency response 100Hz - 3,6KHz

Recording/Playback time : 500 seconds at sample rate 8KHz, 167 seconds at sample rate 24KHz

Number of messages : Maximum 12.

#### Inputs

Contact trigger inputs : Maximum 12.

Audio input : 1V at 20Kohm

#### Outputs.

Supervision pilot tone : 20KHZ level adjustable.

Audio output : 1 Volt at 100Ohm, level adjustable.  
With option "AUTEL-03" : 1,5V eff at 33-Ohm level adjustable.

"Message active" relay : 100V/2A dry contact.

"Fault" relay : 100V/2A dry contact.

Temperature range : -10C° to +55C° at humidity 0-95% non-condensing.

Dimensions (HxWxD) : 56x430x270mm (19"wide and 1U high)

Shipping weight : 3Kg

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### **Model SPT4-001**

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

### **FEATURES AND BENIFITS**

- 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 1,5mm<sup>2</sup>  
 Diagnostics : "Power present": green LED. "Recording started" 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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