

# Installation instructions for alarm sounder with speech reproduction

## PAS 106 - AC-Version

### 1. Description

The alarm sounder with speech reproduction has the facility to record, store and playback user defined messages. The user has the option of recording a single message up to 16 seconds or two messages up to 8 seconds each.

The recorded message(s) can then be played back preceded by the choice of one of nine tone functions, which are selected „On Board“ by the user. Alternatively the message can be played back without the presence of the tone. The length of the tone is factory set to give the normal length as shown in the tone table, or this can be doubled if required by the setting of the tone length link.

### 2. Start up

Before proceeding further ensure that you have the correct unit for your application and the correct instruction sheet for your unit. Check the label on the right of the back box and/or the printed label on the circuit board to ensure that the voltage stated, is the voltage used for the unit.

	Nominal voltage:	110V AC	230V AC
	Operating voltage:	+/-10%	+/-10%

**DAMAGE WILL OCCUR TO THE UNIT IF THE SUPPLIED VOLTAGE IS NOT WITHIN THE LIMITS SPECIFIED.**

**IMPORTANT WIRING DETAILS:** Remove the cover from the AC Power Supply (PSU) enclosure. Connect the AC supply to the Live, Neutral and \*Earth terminals on the PSU.

• Connect AC Voltage to the PSU **only**. • The PSU enclosure cover **must** be replaced **before** switching on the supply voltage.  
\*Earthing note: For product safety it is not necessary to earth the PSU, however it is permissible to connect an earth wire to the earth terminal provided.

### 3. Recording

**NOTE: DUE TO THE HIGH SENSITIVITY OF THE „ON BOARD“ MIC ENSURE ALL BACKGROUND NOISE IS KEPT TO A MINIMUM DURING RECORDING.**

Recording a single message up to 16 seconds

1. Ensure that the link on **PL1** is set for the desired microphone input.
2. Ensure that the link **LK1** is in position for „Record Mode“
3. Set **LK4** to the Message 2 position and supply power to the AC PSU only.
4. To record press the „Push Switch“ **SW1** and hold while speaking into the microphone, if using the „On Board“ microphone speak approx. 5cm above the mic. Ensure that the message does not exceed 16 seconds **otherwise the part of the message above 16 seconds will be lost**. Turn AC power off.
5. If the LED-Indicator is not illuminated at the end of recording: The message has exceeded 16 seconds and will need to be **recorded again** in order to 'Play back'.
6. To play back the recorded message, remove **LK1** only, select the desired tone using **LK5**. Supply AC power and the message will playback.

Recording two messages of up to 8 seconds

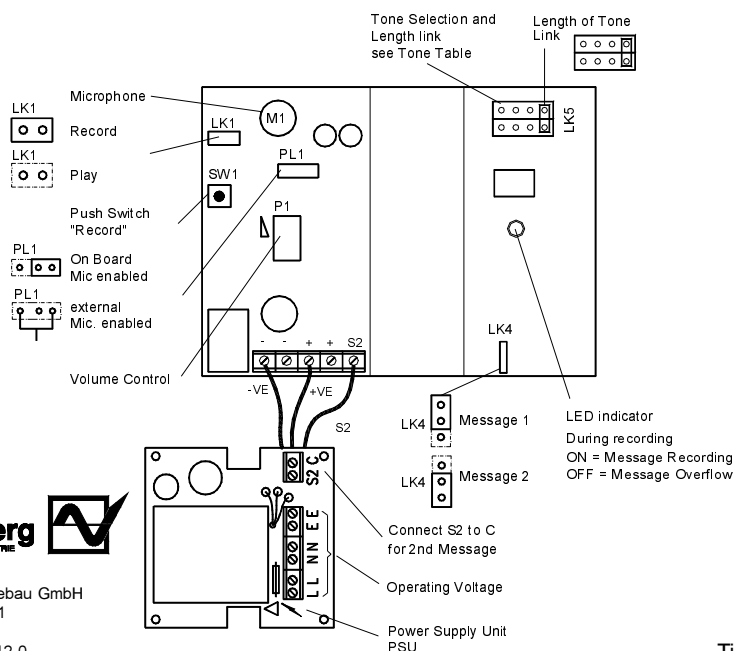
1. Ensure that the link on **PL1** is set for the desired microphone input.
2. Ensure that the link **LK1** is in position for „Record Mode“
3. Set **LK4** to the Message 1 position and supply power to the AC PSU only.
4. To record press the „Push Switch“ **SW1** and hold while speaking into the microphone, if using the „On Board“ microphone speak approx. 5cm above the mic. Ensure that the message does not exceed 8 seconds **otherwise the part of the message above 8 seconds will be lost**.
5. If the LED-Indicator is not illuminated at the end of recording: The message has exceeded 16 seconds and will need to be **recorded again** in order to 'Play back'.
6. Set **LK4** to the Message 2 position, and repeat step 4. **NOTE: If Message 2 exceeds 8 seconds then the „Over run“ will be recorded OVER message 1**. Please note that the LED will not turn off to show that the message has exceeded 8 seconds.
7. To play back the recorded messages, remove **LK1** and **LK4**, select the desired tone using **LK5**. Supply AC power and message 1 will playback, the selected tone will sound and the message shall repeat. To playback message 2, connect **S2** to „C“. Message 2 will then play back, the selected tone will sound and the message 2 shall repeat.

**Tone Table**

Tone	Description	Tone Length	LK5 Position
1	Alternating 800/1000Hz at 2Hz	4 cycles	
2	Slow Whoop 500/1200Hz at 0.3Hz with 0.5s gap repeated	2 cycles	
3	Sawtooth 1200/500Hz at 1Hz	4 cycles	
4	Alternating 544/440Hz at 100/400 ms intervals	4 cycles	
5	Continuous at 1000Hz	2 secs	
6	Simulated Bell Sound	2 secs	
7	Intermittant 1000Hz at 0,5Hz	3 cycles	
8	Australian Alert at 420Hz with 0.625 s intervals	4 cycles	
9	Australian Evacuate 500/1200Hz at 1Hz	2 cycles	
10	No Tone	0,5 s gap between message(s)	

To double the length of the tone short out the last two pins of LK5.

If the unit is set for no tone between messages (tone10) the gap will increase from 0,5s to 2s if the tone length link is fitted.



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We reserve the right to make any technical alterations in the interest of improvement.