

# A105N Appello Synchronised Voice Annunciation unit



- Maximum output: 105dB(A) @ 1 metre - 3 sound levels selectable.
- Direct message storage on silicon; no degradation in reproduction or standby power required.
- Very high voice reproduction quality (moving coil loudspeaker)
- 14 alarm tones (10 for 1st stage) UKOOA/PFEER compliant.
- 3 stage alarm option (3 different messages).
- Volume level settings.
- Total message length: 16 seconds
- 32m effective range @ 1kHz
- Voltages: 24vdc(10-30vdc); 115vac; 230vac.
- Automatic synchronisation on multi-sounder systems.
- Edits automatically to message length.
- DC versions have reverse polarity diode protection.
- IP55 - can be increased to IP66 (dust protected, watertight) with WR kit.
- Tropicalisation available on request.
- Enclosure material: UL94V0 & 5VA rated FR ABS
- Colour available: Red (RAL3000), Grey or White.
- Operating temperature: -25 to +55°C
- Storage temperature: -40 to +70°C
- Relative humidity: 90% at 20°C
- Weight: DC: 0.75Kg AC: 1.00Kg



- Cable gland knockouts in the rear of the unit.
- Side M20 cable gland entry and IP55 stopping plug.
- Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- All units offer IN and OUT terminals
- Terminals accept 0.5 to 2.5mm<sup>2</sup> cables.

The sounder is primarily intended for use in fire alarm and evacuation systems. It is fully synchronised with other units of the same type on the same circuit. It offers a three stage alarm facility enabling three verbal messages to be linked with 1 of 10 different tones for the 1st stage and 1 of 3 tones for the 2nd & 3rd stages. Three volume levels and an adjustment potentiometer are provided.

The unit is preprogrammed with three standard messages

1. "Please evacuate the building immediately"
2. "Alarm test, take no action"
3. "Alarm test now complete"

or an alternative message of your choice can be stated when ordering.

For total flexibility, a Programming unit and Message Keys may be purchased which allow on site synchronised message recording should requirements be unknown at time of ordering or should they change. Please see details on the following page.

Message modes:

1. <tone><message>repeat
2. <message>repeat
3. <tone><message><message>

Appello Sync Programmer unit.

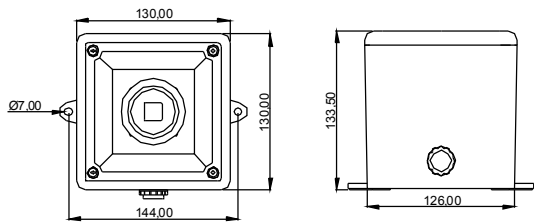
The programmer enables users to create their own verbal messages for the Appello Synchronised Sounder, either by talking into the programmer's on-board microphone or an external microphone. Signals can also be input via a standard audio jack plug (1.5V p-p). The messages are stored onto a 'Key' and then may be downloaded into the Appello Synchronised Sounder. The 'Key' can be used to programme multiple sounders with identical messages. Message recording can be done in a quiet location before the programmer is taken on site for downloading to the Appello Sounders. The 'Key' can be re-recorded over 100,000 times. The programmer allows playback of the message(s) prior to download through its own integral speaker and provides a graphical display via L.E.D.s of message length for each stage, and any message over-run. Once the message(s) have been downloaded the sounder can be tested from the Programmer. The unit can be powered from the supplied AC adapter or through a 12v battery.

Voltage :	24vdc	115vac	230vac
		50/60Hz	50/60Hz
Voltage range :	10-30vdc	+/-10%	+/-10%
Output level 3 : 100dB(A)	Current mA :	<130mA	
Output level 2 : 97dB(A)	Current mA :	<80mA	
(Factory preset)			
Output level 1 : 94dB(A)	Current mA :	<50mA	

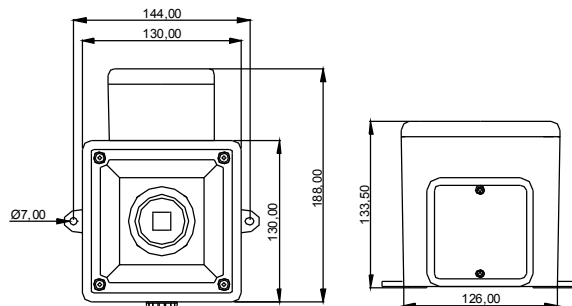


- Fully portable for on and off-site programming
- Messages easily downloaded.
- The 'Key' may be made read-only via its built-in switch
- Full 'Key' playback facility through the Programmer
- Full sounder playback via the Programmer
- Copy message to sounder function
- Copy message from one 'Key' to another 'Key' function
- Record and error L.E.D.s
- Message memory usage L.E.D

A105N Appello DC Dimensions.



A105N Appello AC Dimensions.



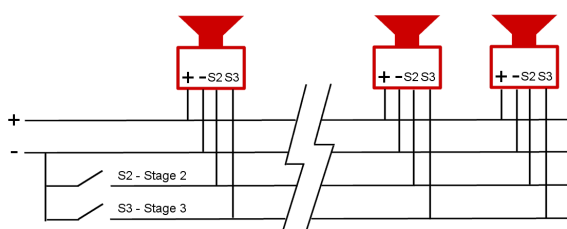
All dimensions are in millimetres.

Stage 1 Tone	Frequency Description		Stage 2 & 3 Options		
			Option 1	Option 2	Option 3
Tone 1	420Hz @ 0.625 sec Australian Alert	---	Tone 5	Tone 8	Tone 4
Tone 2	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop		Tone 10	Tone 8	Tone 12
Tone 3	2400/2900Hz @ 7Hz Sweeping		Tone 8	Tone 14	Tone 10
Tone 4	500-1200Hz 3.75sec /0.25sec. Australian Evac.		Tone 1	Tone 8	Tone 5
Tone 5	Bell		Tone 10	Tone 13	Tone 2
Tone 6	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.		Tone 13	Tone 2	Tone 10
Tone 7	544Hz (100mS)/440Hz (400mS) - NF S 32-001		Tone 10	Tone 5	Tone 9
Tone 8	1000Hz Continuous - PFEER Toxic Gas		Tone 10	Tone 11	Tone 5
Tone 9	554Hz Continuous		Tone 5	Tone 7	Tone 12
Tone 10	800/1000Hz @ 0.25 sec Alternating		Tone 8	Tone 6	Tone 11

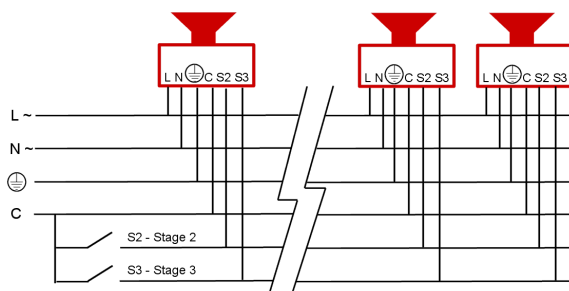
Tones 11 to 14 are available as Stage 2 or 3 as indicated above.

Tone 11	1000Hz @ 1Hz Intermittent	
Tone 12	2400Hz Continuous	
Tone 13	800Hz Continuous	
Tone 14	2400/2900Hz @ 1Hz Sweeping	

DC unit wiring configuration.



AC unit wiring configuration.



Ordering code :

A105NAPPS

DC

24

R

Product  
A 105NAPPS

Supply  
DC  
AC

Voltage  
24  
115  
230

Housing  
R Red  
W White  
G Grey

TSP1103-B