

# SONF1 Alarm Sounder

The SONF1 is a compact, high output, 100dB(A) alarm sounder. Low current consumption and high SPL in a robust fire retardant housing ensure the SONF1 is suitable for all general signalling applications including fire, security and process control.

## Features

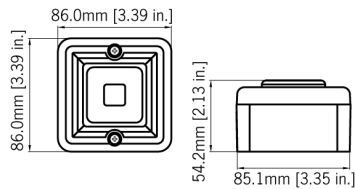
- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Stainless steel fixings.
- Mounting via internal BESA compatible fixing positions (standard version) or via external mounting lugs.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.

## Approvals

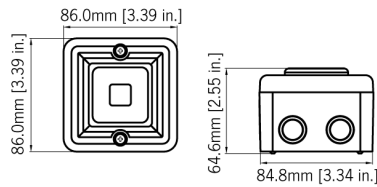
- VdS approved: EN54-3 (CPD 89/106/EEC).
- UL & cULs approved: General signalling use.
- GOST-R approved. Cert: POCC GB.JB05.H00144.



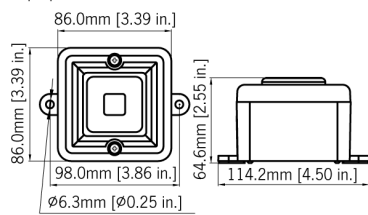
L101 Backbox



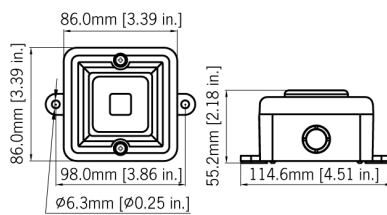
Sonora Backbox



Multi-purpose Backbox



A100 Backbox



## Specification

Maximum output:	100dB(A) @ 1 metre [91dB(A) @ 10ft/3m]
Nominal output:	99dB(A) @ 1m +/- 3dB - Tone 1 [90dB(A) @ 10ft/3m]
No. of tones:	10 (UKOOA / PFEER compliant)
No. of stages:	2
Volume control:	On board potentiometer
Effective range:	30m/98.4ft @ 1KHz
Voltages DC:	24V dc (10-30V dc) Reverse polarity diode protection on DC units.
Voltages AC:	24V ac; 115V ac; 230V ac
Ingress protection:	IP66 (UL version Type 13 & 3R)
Housing material:	High impact UL94 V0 & 5VA FR ABS
Colour:	Red (RAL3000), grey (RAL7038) & white.
Cable entries:	4 x M20 clearance gland knockouts in side & back
Terminals:	0.5 to 1.5mm <sup>2</sup> cables.
Operating temp:	-25 to +55°C [-13° to +131°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	90% at 20°C [68°F]
Weight:	0.30kg/0.66lbs

## Part Codes

Version:	Part code:
24V dc	SONF1DC24[b][x]
24V ac	SONF1AC24[b][x]
115V ac	SONF1AC115[b][x]
230V ac	SONF1AC230[b][x]

[b] = Back box type: No identifier: Sonora type - 3 x side & 1 x rear 20mm knockouts  
 B: L101 type - 1 x rear 20mm knockout  
 A: A100 type with lugs - 2 x side & 1 x rear 20mm knockouts  
 M: Multi type with lugs - 1 x side 20mm entry with stopping plug

[x] = Enclosure colour: G: Grey R: Red W: White

Suffix part number with 'UL' for UL approved version

## Alarm Sounder

Version:	Voltage:	Current:
24V dc	10-30V dc	25mA
24V ac	50/60Hz +/-10%	40mA
115V ac	50/60Hz +/-10%	13mA
230V ac	50/60Hz +/-10%	13mA

## Tonetable

<b>S 1</b>	<b>Description</b>	<b>S 2</b>
T 1	800/1000Hz @ 0.25 sec Alternating	T 8
T 2	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	T 1
T 3	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	T 8
T 4	544Hz (100mS)/440Hz (400mS) - NF S 32-001	T 9
T 5	Bell	T 1
T 6	800/1000Hz @ 7Hz Sweeping	T 8
T 7	500-1200Hz 3.75sec /0.25sec. Australian Evac.	T 10
T 8	1000Hz Continuous - PFEER Toxic Gas	
T 9	Continuous 554Hz	
T 10	420Hz @ 0.625 sec Australian Alert	

AC

Version:

S1	Description
T 1	800/1000Hz @ 0.25 sec Alternating
T 2	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop
T 3	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.
T 4	544Hz (100mS)/440Hz (400mS) - NF S 32-001
T 5	1000Hz Continuous - PFEER Toxic Gas
T 6	Bell
T 7	800/1000Hz @ 7Hz Sweeping
T 8	2400/2900Hz @ 50Hz Sweeping
T 9	420Hz @ 0.625 sec Australian Alert
T 10	500-1200Hz 3.75sec /0.25sec. Australian Evac.