

# SON2 Alarm Sounder

The SON2 is a compact, high output, 104dB(A) alarm sounder. Low current consumption and high SPL in a robust fire retardant housing ensure the SON2 is suitable for all general signalling applications including fire, security and process control.

The SON2 features 32 alarm tone frequencies and a total of 3 remotely selectable alarm stages/channels. The wire to base termination simplifies installation and provides duplicated terminals. The compact sounder is automatically synchronised.

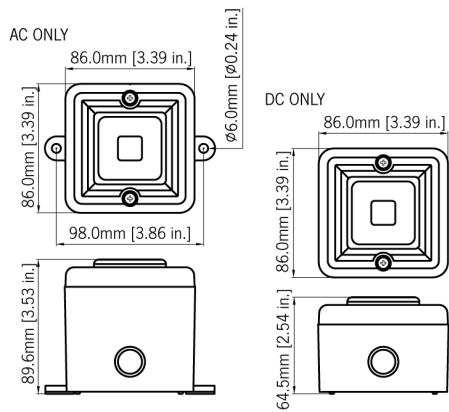
## Features

- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Stainless steel fixings.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Wire to base installation
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.

## Approvals

- GOST-R approved. Cert: POCC GB.JB05.H00144.





## Specification

Maximum output:	104dB(A) @ 1 metre [95dB(A) @ 10ft/3m]
Nominal output:	100dB(A) @ 1m +/- 3dB - Tone 2 [91dB(A) @ 10ft/3m]
No. of tones:	32 (UK00A / PFEER compliant)
No. of stages:	3
Volume control:	3 levels via on board switch
Effective range:	32m/105ft @ 1KHz
Voltages DC:	24V dc (10-30V dc) Reverse polarity diode protection on DC units.
Voltages AC:	24V ac; 115V ac; 230V ac
Stage switching:	Reverse polarity stage switching on DC units.
Ingress protection:	IP66
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:	DC: 0.30kg/0.66lbs AC:0.40kg/0.88lbs

## Part Codes

Version:	Part code:
24V dc	SON2DC24[x]
24V ac	SON2AC24[x]
115V ac	SON2AC115[x]
230V ac	SON2AC230[x]
[x] = Enclosure colour:	G: Grey (RAL7038) R: Red (RAL3000) W: White

## Alarm Sounder

Version:	Voltage:	Current:
24V dc	10-30V dc	20-80mA
24V ac 50/60Hz	+/-10%	25-90mA
115V ac 50/60Hz	+/-10%	24mA
230V ac 50/60Hz	+/-10%	12mA

## Tone table

S 1	Description	S 2	S 3
T 2	800/1000Hz @ 0.25 sec Alternating	T 17	T 5
T 3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	T 2	T 5
T 4	800/1000Hz @ 1Hz Sweeping	T 6	T 5
T 5	2400Hz Continuous	T 3	T 26
T 6	2400/2900Hz @ 7Hz Sweeping	T 7	T 5
T 7	2400/2900Hz @ 1Hz Sweeping	T 10	T 5
T 8	500/1200/500Hz @ 0.3Hz Sweeping	T 2	T 5
T 9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	T 15	T 2
T 10	2400/2900Hz @ 2Hz Alternating	T 7	T 5
T 11	1000Hz @ 1Hz Intermittent	T 2	T 5
T 12	800/1000Hz @ 0.875Hz Alternating	T 4	T 5
T 13	2400Hz @ 1Hz Intermittent	T 15	T 5
T 14	800Hz 0.25sec on, 1 sec off Intermittent	T 4	T 5
T 15	800Hz Continuous	T 2	T 5
T 16	660Hz 150mS on, 150mS off Intermittent	T 18	T 5
T 17	544Hz (100mS)/440Hz (400mS) - NF S 32-001	T 2	T 27
T 18	660Hz 1.8sec on, 1.8sec off Intermittent	T 2	T 5
T 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48-265	T 2	T 5
T 20	660Hz Continuous	T 2	T 5
T 21	554Hz/440Hz @ 1Hz Alternating	T 2	T 5
T 22	544Hz @ 0.875 sec. Intermittent	T 2	T 5
T 23	800Hz @ 2Hz Intermittent	T 6	T 5
T 24	800/1000Hz @ 50Hz Sweeping	T 29	T 5
T 25	2400/2900Hz @ 50Hz Sweeping	T 29	T 5
T 26	Bell	T 2	T 15
T 27	554Hz Continuous	T 26	T 5
T 28	440Hz Continuous	T 2	T 5
T 29	800/1000Hz @ 7Hz Sweeping	T 7	T 5
T 30	420Hz @ 0.625 sec Australian Alert	T 32	T 26
T 31	660/1200Hz @ 1Hz Sweeping	T 26	T 5
T 32	500-1200Hz 3.75sec /0.25sec. Australian Evac.	T 30	T 26



**ProDetec Pty.Ltd.**

P. +61 (02) 9620 8700  
 F. +61 (02) 9620 8755  
 E. [info@prodetec.com.au](mailto:info@prodetec.com.au)  
 A. 17/38 Powers Rd,  
 Seven Hills NSW 2147  
[www.prodetec.com.au](http://www.prodetec.com.au)