

# 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.

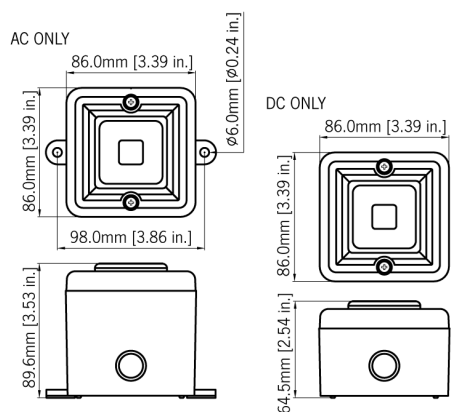
## Features

- 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 (UKOOA / 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] = Housing colour:	G: Grey R: Red 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

<b>S 1</b>	<b>Description</b>	<b>S 2</b>	<b>S 3</b>
T 1	340 Hz Continuous	T 2	T 5
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 -NFC48265	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

**AUTHORIZED DISTRIBUTOR:**  
**GasDetectorsUSA.com**  
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**sales@GasDetectorsUSA.com**  
**832-615-3588**

### E2S Warning Signals

No liability is accepted for any consequences of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.

15 Dec 2014