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:

- UKOOA/PFEER compliant alarm tones.
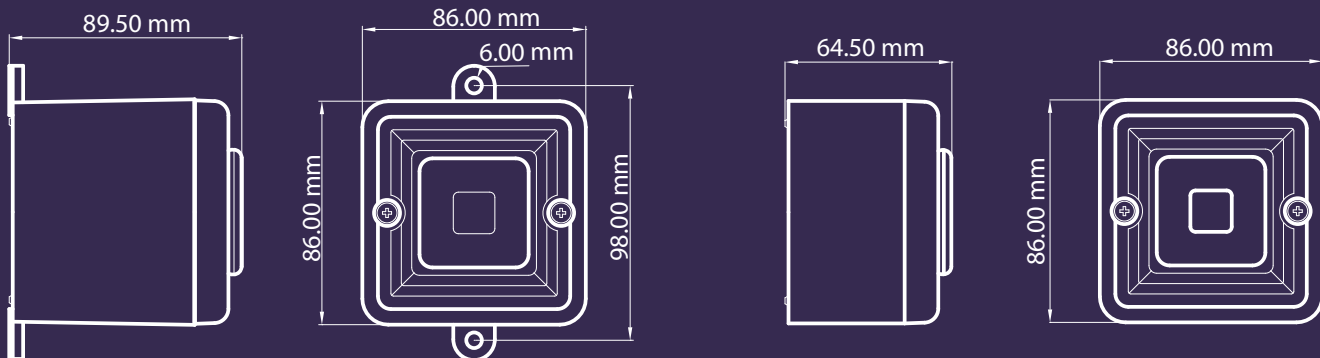- GOST-R approved. Cert: POCC GB-JB05-B02228

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

0786-CPD-20191

89.50 mm

86.00 mm
6.00 mm
86.00 mm
98.00 mm

64.50 mm

86.00 mm
86.00 mm

Specification:

Maximum output:	104dB(A) @ 1 metre
Nominal output:	100dB(A) @ 1m +/- 3dB - Tone 2
No. of tones:	32 (UKOOA / PFEER compliant)
No. of stages:	3
Volume control:	3 levels via on board switch
Effective range:	32m @ 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:	IP55 (IP56 with optional WR kit)
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 1.5mm² cables.
Operating temperature:	-25 to +55°C
Storage temperature:	-40 to +70°C
Relative humidity:	90% at 20°C.
Weight :	DC: 0.30kg AC:0.40kg

*SPL data +/-3dB(A). Measured at optimum voltage.

Alarm sounder:

Version:		Voltage range:	Current mA:
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:

Stage 1	Frequency Description	dB @ 1m	Stage 2	Stage 3
Tone 1	340 Hz Continuous	93dB(A) @ 1m	Tone 2	Tone 5
Tone 2	800/1000Hz @ 0.25 sec Alternating - BS5839 Alarm tone	101dB(A) @ 1m	Tone 17	Tone 5
Tone 3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop - NEN 2575:2000	101dB(A) @ 1m	Tone 2	Tone 5
Tone 4	800/1000Hz @ 1Hz Sweeping	101dB(A) @ 1m	Tone 6	Tone 5
Tone 5	2400Hz Continuous	103dB(A) @ 1m	Tone 3	Tone 26
Tone 6	2400/2900Hz @ 7Hz Sweeping	100dB(A) @ 1m	Tone 7	Tone 5
Tone 7	2400/2900Hz @ 1Hz Sweeping	101dB(A) @ 1m	Tone 10	Tone 5
Tone 8	500/1200/500Hz @ 0.3Hz Sweeping	100dB(A) @ 1m	Tone 2	Tone 5
Tone 9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	101dB(A) @ 1m	Tone 15	Tone 2
Tone 10	2400/2900Hz @ 2Hz Alternating	104dB(A) @ 1m	Tone 7	Tone 5
Tone 11	1000Hz @ 1Hz Intermittent	101dB(A) @ 1m	Tone 2	Tone 5
Tone 12	800/1000Hz @ 0.875Hz Alternating	101dB(A) @ 1m	Tone 4	Tone 5
Tone 13	2400Hz @ 1Hz Intermittent	103dB(A) @ 1m	Tone 15	Tone 5
Tone 14	800Hz 0.25sec on, 1 sec off Intermittent	103dB(A) @ 1m	Tone 4	Tone 5
Tone 15	800Hz Continuous	103dB(A) @ 1m	Tone 2	Tone 5
Tone 16	660Hz 150mS on, 150mS off Intermittent	96dB(A) @ 1m	Tone 18	Tone 5
Tone 17	544Hz (100mS)/440Hz (400mS) - AFNOR NF S 32-001	100dB(A) @ 1m	Tone 2	Tone 27
Tone 18	660Hz 1.8sec on, 1.8sec off Intermittent	96dB(A) @ 1m	Tone 2	Tone 5
Tone 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s - AFNOR NFC48-265	98dB(A) @ 1m	Tone 2	Tone 5
Tone 20	660Hz Continuous	96dB(A) @ 1m	Tone 2	Tone 5
Tone 21	554Hz/440Hz @ 1Hz Alternating	100dB(A) @ 1m	Tone 2	Tone 5
Tone 22	544Hz @ 0.875 sec. Intermittent	100dB(A) @ 1m	Tone 2	Tone 5
Tone 23	800Hz @ 2Hz Intermittent	97dB(A) @ 1m	Tone 6	Tone 5
Tone 24	800/1000Hz @ 50Hz Sweeping	101dB(A) @ 1m	Tone 29	Tone 5
Tone 25	2400/2900Hz @ 50Hz Sweeping	101dB(A) @ 1m	Tone 29	Tone 5
Tone 26	Bell	97dB(A) @ 1m	Tone 2	Tone 15
Tone 27	554Hz Continuous	100dB(A) @ 1m	Tone 26	Tone 5
Tone 28	440Hz Continuous	97dB(A) @ 1m	Tone 2	Tone 5
Tone 29	800/1000Hz @ 7Hz Sweeping	101dB(A) @ 1m	Tone 7	Tone 5
Tone 30	420Hz @ 0.625 sec Australian Alert	91dB(A) @ 1m	Tone 32	Tone 26
Tone 31	660/1200Hz @ 1Hz Sweeping	101dB(A) @ 1m	Tone 26	Tone 5
Tone 32	500-1200Hz 3.75sec /0.25sec. Australian Evac.	100dB(A) @ 1m	Tone 30	Tone 26

Country specific or custom tone configurations and alarm frequencies are available upon request.

e2s
warning signals