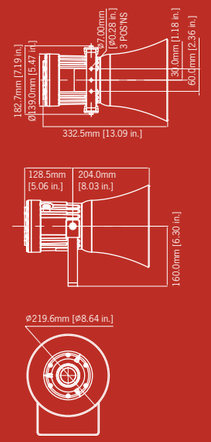
GNExS2 Alarm Sounder

The flameproof GNExS2 alarm sounder is suitable for Zone 1 & Zone 2 applications - certified to ATEX and IECEx.

Sound level ouputs are up to 123dB(A) at 1 metre with a choice of 45 alarm tones and 3 remotely selectable stages. The alarm tone frequencies for the first 2 stages are independently selectable. The GNEx range features enclosures manufactured from GRP (glass reinforced polyester), moulded in natural red, but also available in other colours.

The re-entrant flare horn is high impact, fire retardant ABS. All models have two M20 cable entries, large termination areas containing in & out terminals and an ingress protection of IP66/67.



Tone table

Stage 1	Frequency Description.	Stage 2	Stage 3	Stage 4
Tone 1	340 Hz Continuous	Any Stage 1 tone	Tone 5	Tone 29
Tone 2	800/1000Hz @ 0.25 sec Alternating	Any Stage 1 tone	Tone 5	Tone 45
Tone 3	500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop	Any Stage 1 tone	Tone 5	Tone 29
Tone 4	800/1000Hz @ 1Hz Sweeping	Any Stage 1 tone	Tone 5	Tone 34
Tone 5	2400Hz Continuous	Any Stage 1 tone	Tone 20	Tone 29
Tone 6	2400/2900Hz @ 7Hz Sweeping	Any Stage 1 tone	Tone 5	Tone 45
Tone 7	2400/2900Hz @ 1Hz Sweeping	Any Stage 1 tone	Tone 5	Tone 45
Tone 8	500/1200/500Hz @ 0.3Hz Sweeping	Any Stage 1 tone	Tone 5	Tone 45
Tone 9	1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.	Any Stage 1 tone	Tone 2	Tone 38
Tone 10	2400/2900Hz @ 2Hz Alternating	Any Stage 1 tone	Tone 5	Tone 45
Tone 11	1000Hz @ 1Hz Intermittent	Any Stage 1 tone	Tone 5	Tone 29
Tone 12	800/1000Hz @ 0.875Hz Alternating	Any Stage 1 tone	Tone 5	Tone 45
Tone 13	2400Hz @ 1Hz Intermittent	Any Stage 1 tone	Tone 5	Tone 29
Tone 14	800Hz 0.25sec on, 1 sec off Intermittent	Any Stage 1 tone	Tone 5	Tone 45
Tone 15	800Hz Continuous	Any Stage 1 tone	Tone 5	Tone 34
Tone 16	660Hz 150mS on, 150mS off Intermittent	Any Stage 1 tone	Tone 5	Tone 29
Tone 17	544Hz (100mS)/440Hz (400mS) - NF S 32-001	Any Stage 1 tone	Tone 27	Tone 45
Tone 18	660Hz 1.8sec on, 1.8sec off Intermittent	Any Stage 1 tone	Tone 5	Tone 45
Tone 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48-265	Any Stage 1 tone	Tone 5	Tone 29
Tone 20	660Hz Continuous	Any Stage 1 tone	Tone 5	Tone 34
Tone 21	554Hz/440Hz @ 1Hz Alternating	Any Stage 1 tone	Tone 5	Tone 29
Tone 22	544Hz @ 0.875 sec. Intermittent	Any Stage 1 tone	Tone 5	Tone 29
Tone 23	800Hz @ 2Hz Intermittent	Any Stage 1 tone	Tone 5	Tone 29
Tone 24	800/1000Hz @ 50Hz Sweeping	Any Stage 1 tone	Tone 5	Tone 34
Tone 25	2400/2900Hz @ 50Hz Sweeping	Any Stage 1 tone	Tone 5	Tone 45
Tone 26	Bell	Any Stage 1 tone	Tone 15	Tone 34
Tone 27	554Hz Continuous	Any Stage 1 tone	Tone 5	Tone 29
Tone 28	440Hz Continuous	Any Stage 1 tone	Tone 5	Tone 45
Tone 29	800/1000Hz @ 7Hz Sweeping	Any Stage 1 tone	Tone 5	Tone 45
Tone 30	300Hz Continuous	Any Stage 1 tone	Tone 5	Tone 45
Tone 31	660/1200Hz @ 1Hz Sweeping	Any Stage 1 tone	Tone 5	Tone 29
Tone 32	Two tone chime.	Any Stage 1 tone	Tone 15	Tone 45
Tone 33	745Hz @ 1Hz Intermittent	Any Stage 1 tone	Tone 5	Tone 29
Tone 34	1000 & 2000Hz @ 0.5 sec Alternating - Singapore	Any Stage 1 tone	Tone 45	Tone 37
Tone 35	420Hz @ 0.625 sec Australian Alert	Any Stage 1 tone	Tone 5	Tone 34
Tone 36	500-1200Hz 3.75sec /0.25sec. Australian Evac.	Any Stage 1 tone	Tone 5	Tone 45
Tone 37	1000Hz Continuous - PFEER Toxic Gas	Any Stage 1 tone	Tone 45	Tone 38
Tone 38	2000Hz Continuous	Any Stage 1 tone	Tone 45	Tone 37
Tone 39	800Hz 0.25sec on, 1 sec off Intermittent	Any Stage 1 tone	Tone 17	Tone 37
Tone 40	544Hz (100mS)/440Hz (400mS) - NF S 32-001	Any Stage 1 tone	Tone 27	Tone 38
Tone 41	Motor Siren - slow rise to 1200 Hz	Any Stage 1 tone	Tone 5	Tone 29
Tone 42	Motor Siren - slow rise to 800 Hz	Any Stage 1 tone	Tone 5	Tone 29
Tone 43	1200 Hz Continuous	Any Stage 1 tone	Tone 5	Tone 45
Tone 44	Motor Siren - slow rise to 2400 Hz	Any Stage 1 tone	Tone 5	Tone 34
Tone 45	1KHz 1s on, 1s off Intermittent - PFEER Gen. Alarm	Any Stage 1 tone	Tone 34	Tone 37

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

Part codes:

Code:	Description:
GNExS2	S2 alarm sounder
DC024	24vdc (10-30vdc)
DC048	48vdc (35-60vdc)
AC230	230vac (100-260vac)
-N	No stopping plug (standard)
-B	Brass stopping plug
-S	Stainless steel stopping plug
-P	Nickel plated brass stopping plug
-1	Mounting bracket 304 stainless steel (A2) (standard)
-2	Mounting bracket 316 stainless steel (A4)
-A-1	Approval to ATEX & IECEx (standard)
-R	Housing colour Red (standard)
-S	Other housing colour - please specify

Example:
GNExS2DC024-B-1-A-1-R
GNExS2 24vdc with brass stopping plug, 304 stainless steel mounting bracket, approved to ATEX & IECEx in a red housing.

Current consumption:

Version:	Voltage:	Current:
24V dc	10-30vdc	811mA @ 24vdc
48V dc	38-60vdc	434mA @ 48vdc
115V ac/dc 50/60Hz	100-230 vac/dc	297mA @ 115vac
230V ac/dc 50/60Hz	100-230 vac/dc	196mA @ 230vac

Specification:

Maximum output:	123dB(A) @ 1 metre
Nominal output:	117dB(A) @ 1m +/- 3dB - Tone 2
No. of tones:	45 (UKOOA / PFEER compliant)
No. of stages:	3
Volume control:	Max. 117dB(A); Min. 108dB(A) - Tone 2
Effective range:	200m @ 1KHz
Voltages DC:	24vdc (10-30vdc), 48vdc (38-60vdc)
Voltages AC:	230vac (100-260vac)
Stage switching:	Negative or positive
Ingress protection:	IP66/67
Housing material:	GRP
Colour:	RAL3000 Red (others available on request)
Flare:	High impact UL94 V0 & 5VA FR ABS (Red)
Cable entries:	Dual M20 ISO
Terminals:	0.5 to 4.0mm² cables.
Line monitoring :	Min. 500 Ohm 2w, or 3k3 Ohm 0.5w res. or diode within Exd enclosure (dc versions).
Weight :	DC: 3.35kg AC: 3.55kg

Features:

- Automatic synchronisation on multi-sounder system.
- Very large termination area.
- Ratchet adjustable stainless steel ‘U’ bracket.
- IN & OUT terminals.
- Independently selectable tones for 1st & 2nd stages.

Approvals:

- ATEX certificate: SIRA 13ATEX1139X
  EN 60079-0 : 2012, EN 60079-1 : 2007
- IECEx certificate: IECEx SIR 13.0029X
  IEC 60079-0 : 2011 (Ed6), IEC 60079-1 : 2007 (Ed6)

Coding:

- II 2G Ex d IIC T4 Ta. -60° to +50°C
- II 2G Ex d IIC T3 Ta. -60° to +58°C
- II 2G Ex d IIB T6 Ta. -60° to +50°C
- II 2G Ex d IIB T5 Ta. -60° to +58°C