

GNExS2 Alarm Sounder

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

Sound level outputs are up to 123dB(A) at 1 metre with a choice of 45 alarm tones and 4 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 Stg 1 tone | Tone 5 | Tone 29 |
| Tone 2 | 800/1000Hz @ 0.25 sec Alternating | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 3 | 500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 4 | 800/1000Hz @ 1Hz Sweeping | Any Stg 1 tone | Tone 5 | Tone 34 |
| Tone 5 | 2400Hz Continuous | Any Stg 1 tone | Tone 20 | Tone 29 |
| Tone 6 | 2400/2900Hz @ 7Hz Sweeping | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 7 | 2400/2900Hz @ 1Hz Sweeping | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 8 | 500/1200/500Hz @ 0.3Hz Sweeping | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 9 | 1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P. | Any Stg 1 tone | Tone 2 | Tone 38 |
| Tone 10 | 2400/2900Hz @ 2Hz Alternating | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 11 | 1000Hz @ 1Hz Intermittent | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 12 | 800/1000Hz @ 0.875Hz Alternating | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 13 | 2400Hz @ 1Hz Intermittent | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 14 | 800Hz 0.25sec on, 1 sec off Intermittent | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 15 | 800Hz Continuous | Any Stg 1 tone | Tone 5 | Tone 34 |
| Tone 16 | 660Hz 150mS on, 150mS off Intermittent | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 17 | 544Hz (100mS)/440Hz (400mS) - NF S 32-001 | Any Stg 1 tone | Tone 27 | Tone 45 |
| Tone 18 | 660Hz 1.8sec on, 1.8sec off Intermittent | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 19 | 1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48-265 | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 20 | 660Hz Continuous | Any Stg 1 tone | Tone 5 | Tone 34 |
| Tone 21 | 554Hz/440Hz @ 1Hz Alternating | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 22 | 544Hz @ 0.875 sec. Intermittent | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 23 | 800Hz @ 2Hz Intermittent | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 24 | 800/1000Hz @ 50Hz Sweeping | Any Stg 1 tone | Tone 5 | Tone 34 |
| Tone 25 | 2400/2900Hz @ 50Hz Sweeping | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 26 | Bell | Any Stg 1 tone | Tone 15 | Tone 34 |
| Tone 27 | 554Hz Continuous | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 28 | 440Hz Continuous | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 29 | 800/1000Hz @ 7Hz Sweeping | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 30 | 300Hz Continuous | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 31 | 660/1200Hz @ 1Hz Sweeping | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 32 | Two tone chime. | Any Stg 1 tone | Tone 15 | Tone 45 |
| Tone 33 | 745Hz @ 1Hz Intermittent | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 34 | 1000 & 2000Hz @ 0.5 sec Alternating - Singapore | Any Stg 1 tone | Tone 45 | Tone 37 |
| Tone 35 | 420Hz @ 0.625 sec Australian Alert | Any Stg 1 tone | Tone 5 | Tone 34 |
| Tone 36 | 500-1200Hz 3.75sec /0.25sec. Australian Evac. | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 37 | 1000Hz Continuous - PFEER Toxic Gas | Any Stg 1 tone | Tone 45 | Tone 38 |
| Tone 38 | 2000Hz Continuous | Any Stg 1 tone | Tone 45 | Tone 37 |
| Tone 39 | 800Hz 0.25sec on, 1 sec off Intermittent | Any Stg 1 tone | Tone 17 | Tone 37 |
| Tone 40 | 544Hz (100mS)/440Hz (400mS) - NF S 32-001 | Any Stg 1 tone | Tone 27 | Tone 38 |
| Tone 41 | Motor Siren - slow rise to 1200 Hz | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 42 | Motor Siren - slow rise to 800 Hz | Any Stg 1 tone | Tone 5 | Tone 29 |
| Tone 43 | 1200 Hz Continuous | Any Stg 1 tone | Tone 5 | Tone 45 |
| Tone 44 | Motor Siren - slow rise to 2400 Hz | Any Stg 1 tone | Tone 5 | Tone 34 |
| Tone 45 | 1KHz 1s on, 1s off Intermittent - PFEER Gen. Alarm | Any Stg 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 (default) |
| -B | Brass stopping plug |
| -S | Stainless steel stopping plug |
| -P | Nickel plated brass stopping plug |
| -1 | Mounting bracket 304 stainless steel (A2) (default) |
| -2 | Mounting bracket 316 stainless steel (A4) |
| -A-1 | Approval to ATEX & IECEx (default) |
| -R | Housing colour Red (default) |
| -S | Other housing colour - please specify |

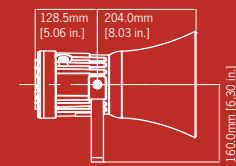
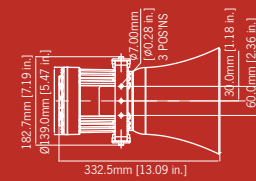
Example:

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 | 100-230vac | 297mA @ 115vac |
| 50/60Hz | | |
| 230V ac | 100-230vac | 196mA @ 230vac |
| 50/60Hz | | |

Current at nominal voltage



Specification:

| | |
|---------------------|---|
| Maximum output: | 123dB(A) @ 1 metre |
| Nominal output: | 117dB(A) @ 1m +/- 3dB - Tone 2 |
| No. of tones: | 45 (UK00A / PFEER compliant) |
| No. of stages: | 4 |
| 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 4.0mm ² 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