

GNExS2 Alarm Horn Sounder 123dB(A)

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.

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.

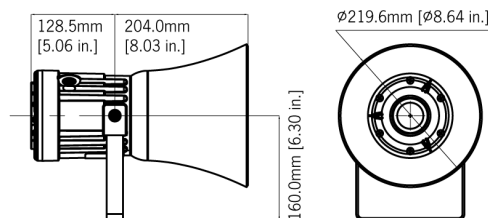
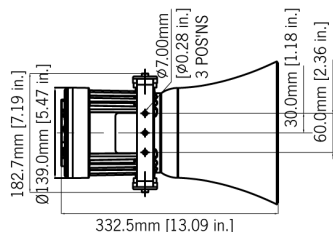
Approvals

- 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





VIMPEX

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Specification

| | |
|---------------------|--|
| Maximum output: | 123dB(A) @ 1 metre [114dB(A) @ 10ft/3m] |
| Nominal output: | 117dB(A) @ 1m +/- 3dB - Tone 2 [108dB(A) @ 10ft/3m] |
| No. of tones: | 45 (UKOOA / PFEER compliant) |
| No. of stages: | 4 |
| Volume control: | Max. 117dB(A); Min. 108dB(A) - Tone 2 |
| Effective range: | 200m/656ft @ 1KHz |
| Voltages DC: | 24vdc (10-30vdc), 48vdc (38-60vdc) |
| Voltages AC: | 230vac (100-260vac) |
| Stage switching: | Negative or positive |
| Ingress protection: | IP66/67 |
| Enclosure matl: | GRP (glass reinforced polyester) |
| Colour: | RAL3000 Red (others available on request) |
| Flare matl: | High impact UL94 V0 & 5VA FR ABS (Red) |
| Cable entries: | Dual M20 ISO |
| Terminals: | 0.5 - 2.5mm ² (20-14 AWG) |
| Enclosure volume: | <2 litres |
| Line monitoring: | Blocking diode included EOL Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor or diode (DC versions) can be fitted |
| Weight: | DC: 3.35kg/7.37lbs AC: 3.55kg/7.81lbs |

Part Codes

| Version: | Part code: |
|--------------------------------|---|
| Product type: | GNEs2 |
| Voltage: | DC024 10-30V dc DC048 35-60V dc AC230 110-260V ac |
| Stopping plug material: [m] | B Brass N Nickel Plated S Stainless Steel |
| Bracket material: [s] | 1 A2 304 Stainless Steel 2 A4 316 Stainless Steel |
| Product version: [v] | A1 Approval to ATEX & IECEx (default) |
| Enclosure colour: [x] | R Red |
| Example: | GNEs2AC230[m][s][v][x] GNEs2AC230B1A1R GNEs2 24vdc 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 50/60Hz | 100-230 vac | 297mA @ 115vac |
| 230V ac 50/60Hz | 100-230 vac | 196mA @ 230vac |

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Tone table

| S 1 | Description | S 2 | S 3 | S 4 | S 1 | Description | S 2 | S 3 | S 4 |
|------|--|-----|------|------|------|--|-----|------|------|
| T 1 | 340 Hz Continuous | Any | T 5 | T 29 | T 33 | 745Hz @ 1Hz Intermittent | Any | T 5 | T 29 |
| T 2 | 800/1000Hz @ 0.25 sec Alternating | Any | T 5 | T 45 | T 34 | 1000 & 2000Hz @ 0.5 sec Alternating - Singapore | Any | T 45 | T 37 |
| T 3 | 500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop | Any | T 5 | T 29 | T 35 | 420Hz @ 0.625 sec Australian Alert | Any | T 5 | T 34 |
| T 4 | 800/1000Hz @ 1Hz Sweeping | Any | T 5 | T 34 | T 36 | 500-1200Hz 3.75sec /0.25sec. Australian Evac. | Any | T 5 | T 45 |
| T 5 | 2400Hz Continuous | Any | T 20 | T 29 | T 37 | 1000Hz Continuous - PFEER Toxic Gas | Any | T 45 | T 38 |
| T 6 | 2400/2900Hz @ 7Hz Sweeping | Any | T 5 | T 45 | T 38 | 2000Hz Continuous | Any | T 45 | T 37 |
| T 7 | 2400/2900Hz @ 1Hz Sweeping | Any | T 5 | T 45 | T 39 | 800Hz 0.25sec on, 1 sec off Intermittent | Any | T 17 | T 37 |
| T 8 | 500/1200/500Hz @ 0.3Hz Sweeping | Any | T 5 | T 45 | T 40 | 544Hz (100mS)/440Hz (400mS) - NF S 32-001 | Any | T 27 | T 38 |
| T 9 | 1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P. | Any | T 2 | T 38 | T 41 | Motor Siren - slow rise to 1200 Hz | Any | T 5 | T 29 |
| T 10 | 2400/2900Hz @ 2Hz Alternating | Any | T 5 | T 45 | T 42 | Motor Siren - slow rise to 800 Hz | Any | T 5 | T 29 |
| T 11 | 1000Hz @ 1Hz Intermittent | Any | T 5 | T 29 | T 43 | 1200 Hz Continuous | Any | T 5 | T 45 |
| T 12 | 800/1000Hz @ 0.875Hz Alternating | Any | T 5 | T 45 | T 44 | Motor Siren - slow rise to 2400 Hz | Any | T 5 | T 34 |
| T 13 | 2400Hz @ 1Hz Intermittent | Any | T 5 | T 29 | T 45 | 1KHz 1s on, 1s off Intermittent - PFEER Gen. ... | Any | T 34 | T 37 |
| T 14 | 800Hz 0.25sec on, 1 sec off Intermittent | Any | T 5 | T 45 | | | | | |
| T 15 | 800Hz Continuous | Any | T 5 | T 34 | | | | | |
| T 16 | 660Hz 150mS on, 150mS off Intermittent | Any | T 5 | T 29 | | | | | |
| T 17 | 554Hz (100mS)/440Hz (400mS) - NF S 32-001 | Any | T 27 | T 45 | | | | | |
| T 18 | 660Hz 1.8sec on, 1.8sec off Intermittent | Any | T 5 | T 45 | | | | | |
| T 19 | 1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s -NFC48265 | Any | T 5 | T 29 | | | | | |
| T 20 | 660Hz Continuous | Any | T 5 | T 34 | | | | | |
| T 21 | 554Hz/440Hz @ 1Hz Alternating | Any | T 5 | T 29 | | | | | |
| T 22 | 544Hz @ 0.875 sec. Intermittent | Any | T 5 | T 29 | | | | | |
| T 23 | 800Hz @ 2 Hz Intermittent | Any | T 5 | T 29 | | | | | |
| T 24 | 800/1000Hz @ 50Hz Sweeping | Any | T 5 | T 34 | | | | | |
| T 25 | 2400/2900Hz @ 50Hz Sweeping | Any | T 5 | T 45 | | | | | |
| T 26 | Bell | Any | T 15 | T 34 | | | | | |
| T 27 | 554Hz Continuous | Any | T 5 | T 29 | | | | | |
| T 28 | 440Hz Continuous | Any | T 5 | T 45 | | | | | |
| T 29 | 800/1000Hz @ 7Hz Sweeping | Any | T 5 | T 45 | | | | | |
| T 30 | 300Hz Continuous | Any | T 5 | T 45 | | | | | |
| T 31 | 660/1200Hz @ 1Hz Sweeping | Any | T 5 | T 29 | | | | | |
| T 32 | Two T chime. | Any | T 15 | T 45 | | | | | |