

A112N Alarm Sounder

The A112N is a high output, 119dB(A) alarm sounder. High SPL in a robust fire retardant IP66 housing ensure the A112N is suitable for all general signalling applications including fire, security and process control.

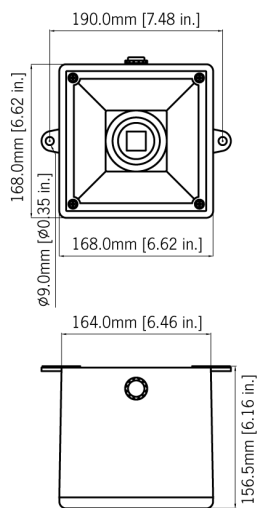
Features

- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Stainless steel fixings.
- Unit can be mounted using external lugs or internal BESA compatible fixing positions.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.
- 'Programmable' version available:
 - 45 alarm tones
 - 4 remotely selectable stages
 - Any tone can be assigned to any stage
 - User configurable continuous frequency tone

Approvals

- VdS approved: EN54-3 (CPD 89/106/EEC).
- UL & cULs approved: General signalling use.
- GOST-R approved. Cert: POCC GB.JB05.H00144.
- Marine Equipment Directive (MED) Certificate: MEDB00001BU





Specification

| | |
|---|--|
| Maximum output: | 119dB(A) @ 1 metre [110dB(A) @ 10ft/3m] |
| Nominal output: | 112dB(A) @ 1m +/- 3dB - Tone 2 [103dB(A) @ 10ft/3m] |
| No. of tones: | 45 (UKOOA / PFEER compliant) |
| No. of stages: | 3 |
| Volume control: | Max. 112dB(A); Min. 100dB(A) - Tone 2 |
| Effective range: | 125m/410ft @ 1KHz |
| Voltages DC: | 24V dc (10-30V dc); 48V dc (35-60V dc); 110V dc (90-250V dc) [24V dc units can use 24V ac for single stage apps.] |
| Voltages AC: | 24V ac; 115V ac; 230V ac |
| Stage switching: | Negative or optional positive Reverse polarity stage switching on DC units. |
| Ingress protection: | IP66 |
| Housing material: | High impact UL94 V0 & 5VA FR ABS |
| Colour: | Red (RAL3000) |
| Cable entries: | 2 x M20 clearance gland entries in side & back |
| Terminals: | 0.5 to 4.0mm ² 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: 1.80kg/3.96lbs AC:2.10kg/4.62lbs |
| *SPL data +/-3dB(A). Measured at optimum voltage. | |

Part Codes

| Version: | Part code: |
|-----------------------|---------------|
| 24V dc | A112NDC24[x] |
| 48V dc | A112NDC48[x] |
| 110/230V dc | A112NDC110[x] |
| 24V ac | A112NAC24[x] |
| 115V ac | A112NAC115[x] |
| 230V ac | A112NAC230[x] |
| [x] = Housing colour: | R: Red |

Suffix part number with '-P' for programmable, 4 stage, 45 tone version (not available with UL approval).

Suffix part number with '-UL' for UL approved version [110/230V dc unit not available as UL approved]

Suffix part number with '-M' for MED approved version. [24V dc unit only]

Alarm Sounder

| Version: | Voltage: | Current: |
|-------------|----------------|----------|
| 24V dc | 10-30V dc | 200mA* |
| 48V dc | 35-60V dc | 120mA* |
| 110/230V dc | 90-250V dc | 60mA |
| 24V ac | 50/60Hz +/-10% | 500mA |
| 115V ac | 50/60Hz +/-10% | 100mA |
| 230V ac | 50/60Hz +/-10% | 60mA |

* current at nominal voltage on Tone 2

Tonetable

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