

# SONF1 Alarm Sounder

The SONF1 is a compact, high output, 100dB(A) alarm sounder. Low current consumption and high SPL in a robust fire retardant housing ensure the SONF1 is suitable for all general signalling applications including fire, security and process control.

## Features

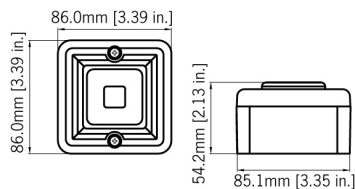
- Automatic synchronisation on multi-sounder system.
- Continuously rated.
- Stainless steel fixings.
- Mounting via internal BESA compatible fixing positions (standard version) or via external mounting lugs.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.
- Available with custom tone configurations and frequencies.

## Approvals

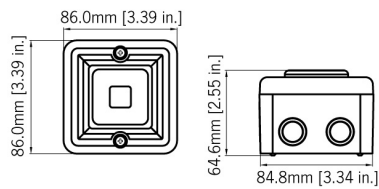
- VdS approved: EN54-3 (CPD 89/106/EEC).
- UL & cULs approved: General signalling use.
- GOST-R approved. Cert: POCC GB.JB05.H00144.



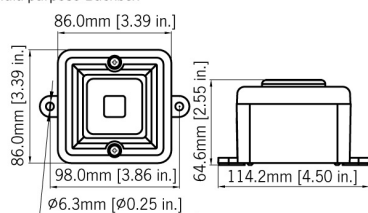
L101 Backbox



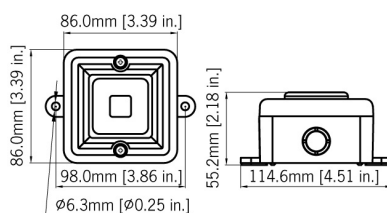
Sonora Backbox



Multi-purpose Backbox



A100 Backbox



## Specification

|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| Maximum output:     | 100dB(A) @ 1 metre [91dB(A) @ 10ft/3m]                            |
| Nominal output:     | 99dB(A) @ 1m +/- 3dB - Tone 1 [90dB(A) @ 10ft/3m]                 |
| No. of tones:       | 10 (UKOOA / PFEER compliant)                                      |
| No. of stages:      | 2                                                                 |
| Volume control:     | On board potentiometer                                            |
| Effective range:    | 30m/98.4ft @ 1KHz                                                 |
| Voltages DC:        | 24V dc (10-30V dc) Reverse polarity diode protection on DC units. |
| Voltages AC:        | 24V ac; 115V ac; 230V ac                                          |
| Ingress protection: | IP66 (UL version Type 13 & 3R)                                    |
| 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 1.5mm <sup>2</sup> 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:             | 0.30kg/0.66lbs                                                    |

## Part Codes

|                                                      |                          |
|------------------------------------------------------|--------------------------|
| <b>Version:</b>                                      | <b>Part code:</b>        |
| 24V dc                                               | SONF1DC24[x]             |
| 24V ac                                               | SONF1AC24[x]             |
| 115V ac                                              | SONF1AC115[x]            |
| 230V ac                                              | SONF1AC230[x]            |
| [x] = Housing colour:                                | G : Grey R: Red W: White |
| Suffix part number with 'UL' for UL approved version |                          |

## A100 back box with mounting lugs:

|                       |                          |
|-----------------------|--------------------------|
| 24V dc                | SONF1DC24A[x]            |
| 24V ac                | SONF1AC24A[x]            |
| 115V ac               | SONF1AC115A[x]           |
| 230V ac               | SONF1AC230A[x]           |
| [x] = Housing colour: | G : Grey R: Red W: White |

## Alarm Sounder

| Version: |         | Voltage:  | Current: |
|----------|---------|-----------|----------|
| 24V dc   |         | 10-30V dc | 25mA     |
| 24V ac   | 50/60Hz | +/-10%    | 40mA     |
| 115V ac  | 50/60Hz | +/-10%    | 13mA     |
| 230V ac  | 50/60Hz | +/-10%    | 13mA     |

### Tone table

| S 1  | Description                                   | S 2  |
|------|-----------------------------------------------|------|
| T 1  | 800/1000Hz @ 0.25 sec Alternating             | T 8  |
| T 2  | 500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop         | T 1  |
| T 3  | 1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.       | T 8  |
| T 4  | 544Hz (100mS)/440Hz (400mS) - NF S 32-001     | T 9  |
| T 5  | Bell                                          | T 1  |
| T 6  | 800/1000Hz @ 7Hz Sweeping                     | T 8  |
| T 7  | 500-1200Hz 3.75sec /0.25sec. Australian Evac. | T 10 |
| T 8  | 1000Hz Continuous - PFEER Toxic Gas           |      |
| T 9  | Continuous 554Hz                              |      |
| T 10 | 420Hz @ 0.625 sec Australian Alert            |      |

AC

Version:

| S1   | Description                                   |
|------|-----------------------------------------------|
| T 1  | 800/1000Hz @ 0.25 sec Alternating             |
| T 2  | 500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop         |
| T 3  | 1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.       |
| T 4  | 544Hz (100mS)/440Hz (400mS) - NF S 32-001     |
| T 5  | 1000Hz Continuous - PFEER Toxic Gas           |
| T 6  | Bell                                          |
| T 7  | 800/1000Hz @ 7Hz Sweeping                     |
| T 8  | 2 400/2 900Hz @ 50Hz Sweeping                 |
| T 9  | 420Hz @ 0.625 sec Australian Alert            |
| T 10 | 500-1200Hz 3.75sec /0.25sec. Australian Evac. |

