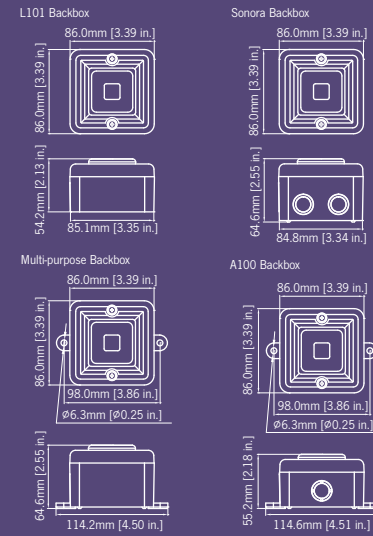


# SONF1 Alarm Sounder

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.



### Tone table:

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

Where applicable following tones are available on AC voltage versions:

| Stage 1 | Frequency Description.                        |
|---------|---|
| Tone 1  | 800/1000Hz @ 0.25 sec Alternating             |
| Tone 2  | 500/1200Hz @ 0.3Hz 0.5 sec Slow Whoop         |
| Tone 3  | 1200/500Hz @ 1Hz - DIN / PFEER P.T.A.P.       |
| Tone 4  | 544Hz (100mS)/440Hz (400mS) - NF S 32-001     |
| Tone 5  | 1000Hz Continuous - PFEER Toxic Gas           |
| Tone 6  | Bell  |
| Tone 7  | 800/1000Hz @ 7Hz Sweeping                     |
| Tone 8  | 2400/2900Hz @ 50Hz Sweeping                   |
| Tone 9  | 420Hz @ 0.625 sec Australian Alert            |
| Tone 10 | 500-1200Hz 3.75sec /0.25sec. Australian Evac. |

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

### Part codes:

| Version: | Part code:    |
|----------|---------------|
| 24V dc   | SONF1DC24[x]  |
| 24V ac   | SONF1AC24[x]  |
| 115V ac  | SONF1AC115[x] |
| 230V ac  | SONF1AC230[x] |

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     |

### Specification:

|                     |   |
|---------------------|---|
| Maximum output:     | 100dB(A) @ 1 metre  |
| Nominal output:     | 99dB(A) @ 1m +/- 3dB - Tone 1                                     |
| No. of tones:       | 10 (UKOOA / PFEER compliant)                                      |
| No. of stages:      | 2   |
| Volume control:     | On board potentiometer  |
| Effective range:    | 30m @ 1KHz  |
| Voltagess DC:       | 24V dc (10-30V dc) Reverse polarity diode protection on DC units. |
| Voltagess 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  |
| Storage temp:       | -40 to +70°C  |
| Relative humidity:  | 90% at 20°C.  |
| Weight :            | 0.30kg  |

### 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 to EN54-3 (CPD 89/106/EEC).
- UKOOA/PFEER compliant alarm tones.
- UL approved version available.
- GOST-R approved. Cert: POCC GB.JB05.H00144.

