

## TONE SELECTION SHEET

PLEASE READ PRIOR TO INSTALLATION AND IN CONJUNCTION  
WITH THE INSTALLATION & TECHNICAL INFORMATION BOOKLET  
S00525 (SD125) SUPPLIED



| Tone | Frequency                         | DESCRIPTION                 |                              |                                                                                   | Max dB               | SW1,<br>SW2, SW3 |
|------|-----------------------------------|-----------------------------|------------------------------|-----------------------------------------------------------------------------------|----------------------|------------------|
|      |                                   | Tone<br>Description         | Tone<br>Application          | Waveform                                                                          | (DB)@1M<br>'+/- 3dB' | Bit 123456       |
| 48   | 800Hz--1000Hz@50Hz                | Low Freq<br>Buzz            | Buzz                         |  | 110                  | 000011           |
| 49   | 2400Hz--2900Hz@50Hz               | High Freq<br>Buzz           | Buzz                         |  | 100                  | 100011           |
| 50   | 500Hz--1200Hz<br>@ 2.5s ↑ 0.5s    | Slow<br>Whoop               |                              |  | 111                  | 010011           |
| 51   | 500Hz--1200Hz<br>@ 5.0s ↑ 0.25s   | Slow<br>Whoop               | Evacuation,<br>Netherlands   |  | 111                  | 110011           |
| 52   | 1200Hz--500Hz<br>@ 1Hz            | Reverse<br>Sweeping         | Evacuation,<br>Germany       |  | 109                  | 001011           |
| 53   | 1400Hz--1600Hz<br>@ 1s ↑ 0.5s ↓   | Sweeping                    | NFC 48-256                   |  | 108                  | 101011           |
| 54   | Simulated bell                    | Fast Shake                  | Bell                         |  | 100                  | 011011           |
| 55   | 800Hz/660Hz                       | Tow tone<br>chime           | Int'l<br>Evacuation<br>Alarm |  | 104                  | 111011           |
| 56   | 800Hz/1000Hz                      | ISO 8201<br>Evacuation      | Int'l<br>Evacuation<br>Alarm |  | 109                  | 000111           |
| 57   | 250Hz--1200Hz<br>@ 3s ↑, 6s, 3s ↓ | Motor<br>Siren-slow<br>rise |                              |  | 101                  | 100111           |
| 58   | 250Hz--800Hz<br>@ 3s ↑, 6s, 3s ↓  | Motor<br>Siren-slow<br>rise |                              |  | 105                  | 010111           |
| 59   | 250Hz--1400Hz<br>@ 3s ↑, 6s, 3s ↓ | Motor<br>Siren-slow<br>rise |                              |  | 101                  | 110111           |

**Tone Selection:** The sounder provides 60 tones to be selected for the alarm stage 2 to 4. Three stages of alarm tones can be preset. **Select the tone 6 bit binary codes** required from the **tone table** and set via the three (3) DIP switches located on the **Sounder PCB** (see diagram 3).

**Volume Control:** The sounder has a volume control to adjust the output volume of the sounder component. To set the required output volume, adjust the potentiometer on the PCB (see diagram 3). The potentiometer should be set to fully clockwise position if maximum output volume is needed.

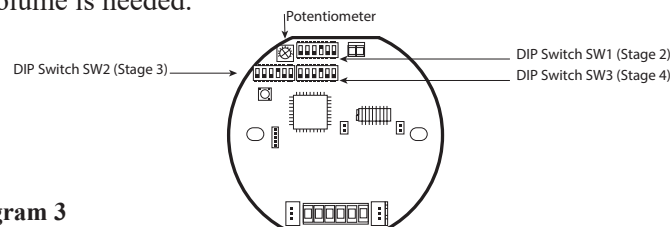


Diagram 3

## SD125 Series - (Explosion Proof Sounders)

AUDIBLE SIGNALLING DEVICES



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# TONE SELECTION TABLE

| ITEM | DESCRIPTION                     |                     |                       |                                                                                     | Max dB               | SW1,<br>SW2, SW3 |
|------|---------------------------------|---------------------|-----------------------|-------------------------------------------------------------------------------------|----------------------|------------------|
| Tone | Frequency                       | Tone<br>Description | Tone<br>Application   | Waveform                                                                            | (DB)@1M<br>'+/- 3dB' | Bit<br>123456    |
| 00   | 0                               | 0                   | 0                     | 0                                                                                   | 0                    | 000000           |
| 01   | 300Hz                           | Continuous          |                       |    | 99                   | 100000           |
| 02   | 340Hz                           | Continuous          |                       |    | 108                  | 010000           |
| 03   | 440Hz                           | Continuous          |                       |    | 100                  | 110000           |
| 04   | 554Hz                           | Continuous          |                       |    | 99                   | 001000           |
| 05   | 660Hz                           | Continuous          | All-clear-<br>Sweden  |    | 95                   | 101000           |
| 06   | 800Hz                           | Continuous          |                       |    | 105                  | 011000           |
| 07   | 1000Hz                          | Continuous          | PFEER<br>Toxic Gas    |    | 111                  | 111000           |
| 08   | 1200Hz                          | Continuous          |                       |    | 105                  | 000100           |
| 09   | 2000Hz                          | Continuous          |                       |    | 97                   | 100100           |
| 10   | 2400Hz                          | Continuous          |                       |    | 104                  | 010100           |
| 11   | 2850Hz                          | Continuous          |                       |    | 92                   | 110100           |
| 12   | 450Hz @ 0.625s                  | Intermittent        | Australian,<br>AS2220 |    | 99                   | 001100           |
| 13   | 544Hz @ 0.875s                  | Intermittent        |                       |    | 101                  | 101100           |
| 14   | 660Hz @ 150ms on,<br>150ms off  | Intermittent        | Swedish<br>Fire Alarm |    | 95                   | 011100           |
| 15   | 660Hz @ 1.8s on,<br>1.8s off    | Intermittent        | Swedish<br>Fire Alarm |    | 95                   | 111100           |
| 16   | 745Hz @ 500ms on,<br>500ms off  | Intermittent        |                       |    | 105                  | 000010           |
| 17   | 800Hz @ 250ms on,<br>250ms off  | Intermittent        |                       |    | 101                  | 100010           |
| 18   | 800Hz<br>@ 250ms on, 1s off     | Intermittent        |                       |    | 105                  | 010010           |
| 19   | 1000Hz @ 250ms on,<br>250ms off | Intermittent        |                       |    | 109                  | 110010           |
| 20   | 1000Hz @ 500ms on,<br>500ms off | Intermittent        | Back-up<br>Alarm (LF) |    | 110                  | 001010           |
| 21   | 1000Hz @ 250ms on,<br>1s off    | Intermittent        |                       |    | 109                  | 101010           |
| 22   | 1000Hz @ 1s on,<br>1s off       | Intermittent        | PFEER<br>Gen, Alarm   |    | 111                  | 011010           |
| 23   | 2400Hz @ 250ms on,<br>250ms off | Intermittent        |                       |  | 102                  | 111010           |
| 24   | 2400Hz @ 500ms on,<br>500ms off | Intermittent        |                       |  | 104                  | 000110           |
| 25   | 2850Hz @ 1s on,<br>1s off       | Intermittent        | Back-up<br>Alarm (HF) |  | 93                   | 100110           |

| ITEM | DESCRIPTION                               |                          |                                 |                                                                                     | Max dB               | SW1,<br>SW2, SW3 |
|------|-------------------------------------------|--------------------------|---------------------------------|-------------------------------------------------------------------------------------|----------------------|------------------|
| Tone | Frequency                                 | Tone<br>Description      | Tone<br>Application             | Waveform                                                                            | (DB)@1M<br>'+/- 3dB' | Bit<br>123456    |
| 26   | 2850Hz @ 150ms on,<br>100ms off           | Intermittent             | Pelican<br>Crossing             |  | 91                   | 010110           |
| 27   | 970Hz @ 500ms on/<br>500ms off, 1.5s off  | 3 Pulses                 | ISO 8201<br>Low Tone            |  | 108                  | 110110           |
| 28   | 2850Hz @ 500ms on/<br>500ms off, 1.5s off | 3 Pulses                 | ISO 8021<br>High Tone           |  | 91                   | 001110           |
| 29   | 700Hz @ 2s on/<br>2s off                  | Intermittent             | Air-raid,<br>Sweden             |  | 107                  | 101110           |
| 30   | 700Hz @ 125ms on/<br>125ms off            | Intermittent             | Local<br>warning,<br>Sweden     |  | 105                  | 011110           |
| 31   | 720Hz @ 0.7s on/<br>0.3s off              | Intermittent             | Industrial<br>alarm,<br>Germany |  | 106                  | 111110           |
| 32   | 554Hz/440Hz<br>@ 500ms                    | Alternating              | Swedish<br>Fire Alarm           |  | 101                  | 000001           |
| 33   | 554Hz/440Hz<br>@ 100ms/400ms              | Alternating              | AFNOR,<br>NFS 32-001            |  | 99                   | 100001           |
| 34   | 554Hz/440Hz<br>@ 1s                       | Alternating              | Turn-out,<br>Sweden             |  | 102                  | 010001           |
| 35   | 800Hz/1000Hz<br>@ 125ms                   | Alternating              | Increased<br>Urgency            |  | 110                  | 110001           |
| 36   | 2400Hz/2900Hz<br>@ 125ms                  | Alternating              | Security<br>Deterrent           |  | 101                  | 001001           |
| 37   | 800Hz/1000Hz<br>@ 250ms                   | Alternating              | Fire Alarms                     |  | 110                  | 101001           |
| 38   | 800Hz/1000Hz<br>@ 580ms                   | Alternating              |                                 |  | 109                  | 011001           |
| 39   | 1000Hz/2000Hz<br>@ 500ms                  | Alternating              |                                 |  | 109                  | 111001           |
| 40   | 2400Hz/2900Hz<br>@ 250ms                  | Alternating              | Security<br>Alarms              |  | 101                  | 000101           |
| 41   | 500Hz--1000Hz@0.6Hz                       | Fast Whoop               |                                 |  | 102                  | 100101           |
| 42   | 500Hz--1200Hz@0.3Hz                       | Sweeping                 |                                 |  | 110                  | 010101           |
| 43   | 660Hz--1200Hz@1Hz                         | Sweeping                 |                                 |  | 111                  | 110101           |
| 44   | 800Hz--1000Hz@1Hz                         | Med<br>Sweeping<br>(LF)  |                                 |  | 107                  | 001101           |
| 45   | 800Hz--1000Hz@7Hz                         | Fast<br>Sweeping<br>(LF) |                                 |  | 108                  | 101101           |
| 46   | 2400Hz--2900Hz@1Hz                        | Sweeping                 |                                 |  | 101                  | 011101           |
| 47   | 2400Hz--1000Hz@7Hz                        | Fast<br>Sweeping         |                                 |  | 100                  | 111101           |