Tone	DESCRIPTION Frequency	Tone Description	Tone Application	Waveform	Max dB (DB)@1M '+/- 3dB'	SW1, SW2, SW3 Bit 123456
48	800Hz--1000Hz@50Hz	Low Freq Buzz	Buzz		102	000011
49	2400Hz--2900Hz@50Hz	High Freq Buzz	Buzz		101	100011
50	500Hz--1200Hz @ 2.5s ↑ 0.5s	Slow Whoop			106	010011
51	500Hz--1200Hz @ 5.0s ↑ 0.25s	Slow Whoop	Evacuation, Netherlands		107	110011
52	1200Hz--500Hz @ 1Hz	Reverse Sweeping	Evacuation, Germany		106	001011
53	1400Hz--1600Hz @ 1s ↑ 0.5s ↓	Sweeping	NFC 48-256		111	101011
54	Simulated bell	Fast Shake	Bell		100	011011
55	800Hz/660Hz	Tow tone chime	Int'l Evacuation Alarm		101	111011
56	800Hz/1000Hz	ISO 8201 Evacuation	Int'l Evacuation Alarm		101	000111
57	250Hz--1200Hz @ 3s ↑, 6s, 3s ↓	Motor Siren-slow rise			109	100111
58	250Hz--800Hz @ 3s ↑, 6s, 3s ↓	Motor Siren-slow rise			101	010111
59	250Hz--1400Hz @ 3s ↑, 6s, 3s ↓	Motor Siren-slow rise			107	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.

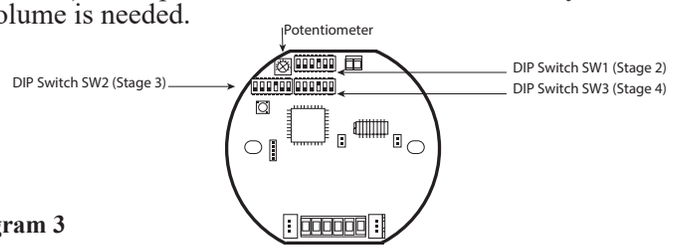

Diagram 3

MOFLASH SIGNALLING

TONE SELECTION SHEET

PLEASE READ PRIOR TO INSTALLATION AND IN CONJUNCTION WITH THE INSTALLATION & TECHNICAL INFORMATION BOOKLET S00522 (SD150) SUPPLIED



SD150 Series - (Explosion Proof Sounders)

AUDIBLE SIGNALLING DEVICES

APPROVED AND CONFORMITIES

Website: www.moflash.com **Email: technical@moflash.co.uk**

TONE SELECTION TABLE

ITEM		DESCRIPTION			Max dB	SW1, SW2, SW3
Tone	Frequency	Tone Description	Tone Application	Waveform	(DB)@1M '+/- 3dB'	Bit 123456
00	0	0	0	0	0	000000
01	300Hz	Continuous			95	100000
02	340Hz	Continuous			100	010000
03	440Hz	Continuous			101	110000
04	554Hz	Continuous			107	001000
05	660Hz	Continuous	All-clear-, Sweden		103	101000
06	800Hz	Continuous			103	011000
07	1000Hz	Continuous	PFEER Toxic Gas		103	111000
08	1200Hz	Continuous			113	000100
09	2000Hz	Continuous			98	100100
10	2400Hz	Continuous			108	010100
11	2850Hz	Continuous			94	110100
12	450Hz @ 0.625s	Intermittent	Australian, AS2220		103	001100
13	544Hz @ 0.875s	Intermittent			107	101100
14	660Hz @ 150ms on, 150ms off	Intermittent	Swedish Fire Alarm		101	011100
15	660Hz @ 1.8s on, 1.8s off	Intermittent	Swedish Fire Alarm		104	111100
16	745Hz @ 500ms on, 500ms off	Intermittent			103	000010
17	800Hz @ 250ms on, 250ms off	Intermittent			100	100010
18	800Hz @ 250ms on, 1s off	Intermittent			102	010010
19	1000Hz @ 250ms on, 250ms off	Intermittent			98	110010
20	1000Hz @ 500ms on, 500ms off	Intermittent	Back-up Alarm (LF)		101	001010
21	1000Hz @ 250ms on, 1s off	Intermittent			99	101010
22	1000Hz @ 1s on, 1s off	Intermittent	PFEER Gen, Alarm		102	011010
23	2400Hz @ 250ms on, 250ms off	Intermittent			105	111010
24	2400Hz @ 500ms on, 500ms off	Intermittent			108	000110
25	2850Hz @ 1s on, 1s off	Intermittent	Back-up Alarm (HF)		93	100110

ITEM		DESCRIPTION			Max dB	SW1, SW2, SW3
Tone	Frequency	Tone Description	Tone Application	Waveform	(DB)@1M '+/- 3dB'	Bit 123456
26	2850Hz @ 150ms on, 100ms off	Intermittent	Pelican Crossing		92	010110
27	970Hz @ 500ms on/ 500ms off, 1.5s off	3 Pulses	ISO 8201 Low Tone		104	110110
28	2850Hz @ 500ms on/ 500ms off, 1.5s off	3 Pulses	ISO 8021 High Tone		93	001110
29	700Hz @ 2s on/ 2s off	Intermittent	Air-raid, Sweden		107	101110
30	700Hz @ 125ms on/ 125ms off	Intermittent	Local warning, Sweden		104	011110
31	720Hz @ 0.7s on/ 0.3s off	Intermittent	Industrial alarm, Germany		106	111110
32	554Hz/440Hz @ 500ms	Alternating	Swedish Fire Alarm		104	000001
33	554Hz/440Hz @ 100ms/400ms	Alternating	AFNOR, NFS 32-001		104	100001
34	554Hz/440Hz @ 1s	Alternating	Turn-out, Sweden		106	010001
35	800Hz/1000Hz @ 125ms	Alternating	Increased Urgency		102	110001
36	2400Hz/2900Hz @ 125ms	Alternating	Security Deterrent		101	001001
37	800Hz/1000Hz @ 250ms	Alternating	Fire Alarms		102	101001
38	800Hz/1000Hz @ 580ms	Alternating			102	011001
39	1000Hz/2000Hz @ 500ms	Alternating			102	111001
40	2400Hz/2900Hz @ 250ms	Alternating	Security Alarms		103	000101
41	500Hz--1000Hz@0.6Hz	Fast Whoop			106	100101
42	500Hz--1200Hz@0.3Hz	Sweeping			109	010101
43	660Hz--1200Hz@1Hz	Sweeping			106	110101
44	800Hz--1000Hz@1Hz	Med Sweeping (LF)			101	001101
45	800Hz--1000Hz@7Hz	Fast Sweeping (LF)			101	101101
46	2400Hz--2900Hz@1Hz	Sweeping			103	011101
47	2400Hz--1000Hz@7Hz	Fast Sweeping			102	111101