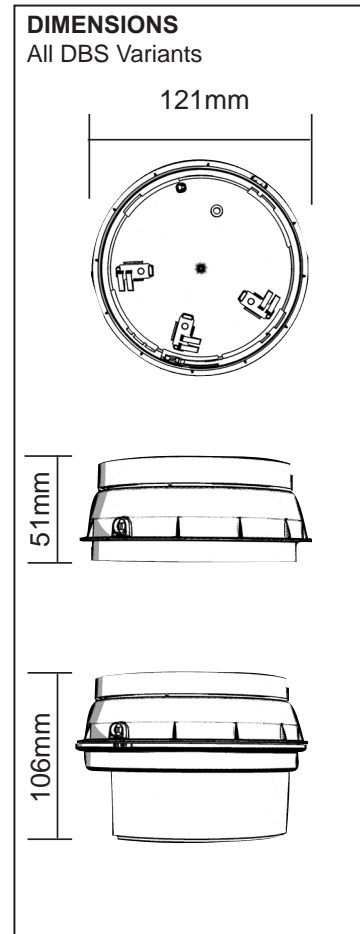




Table 1 - VERSION 8C

DIP setting 0=Off/1=On SW 1,2,3,4,5	No	Pattern	Nominal Frequency	Maximum consumption (mA)			Switching Frequency	Description	Market	Standard	2nd Stage Tone
				(BSO-BSS) High	(BSO-BSS) Medium	(BSO-BSS) Low					
0,0,0,0,0	1	Alternating	525/440	4.19 / 8.13	1.58 / 5.52	0.89 / 4.83	2Hz (100ms/400ms)	French Fire Sound AFNOR	France	NFS 32-001	7
1,0,0,0,0	2	Alternating	800/922	5.56 / 9.50	1.58 / 5.52	1.18 / 5.12	1Hz		UK	BS5839 Pt1	8
0,1,0,0,0	3	Alternating	800/922	3.27 / 7.21	1.58 / 5.52	1.15 / 5.08	2Hz	Alternating tone telecoms	UK	BS5839 Pt1, FP1063.1	8
1,1,0,0,0	4	Alternating	2400/2900	5.8 / 9.74	3.67 / 7.61	1.72 / 5.66	3Hz	Alternating High Frequency			10
0,0,1,0,0	5	Alternating	2500/3100	6.01 / 9.95	3.7 / 7.64	1.72 / 5.66	2Hz	Security Alarm			10
1,0,1,0,0	6	Alternating	988/645	3.08 / 7.02	1.49 / 5.43	1.12 / 5.06	2Hz				8
0,1,1,0,0	7	Continuous	630	4.30 / 8.24	1.48 / 5.42	1.02 / 4.96		All clear	Sweden		1
1,1,1,0,0	8	Continuous	922	4.21 / 8.15	1.39 / 5.33	1.12 / 5.06				BS 5839 Pt 1	2
0,0,0,1,0	9	Continuous	1200	4.08 / 8.02	1.71 / 5.65	1.27 / 5.21					2
1,0,0,1,0	10	Continuous	2810	4.9 / 8.84	3.29 / 7.23	1.56 / 5.5		HF Continuous			4
0,1,0,1,0	11	Sweep	150-1000	3.74 / 7.68	1.71 / 5.65	1.36 / 5.3	Rising from 150Hz to 1000Hz in 10 seconds, then 40 seconds at 1000Hz, then falling from 1000Hz to 150Hz in 10 seconds, then 20 seconds at 150Hz, then repeating. Total period 80 seconds.	"Gasalarm" Tone			22
1,1,0,1,0	12	Intermittent	420	4.59 / 8.53	1.69 / 5.63	0.84 / 4.78	0.625s on, 0.625 sec off	AS2220 alert tone	NZ, Aus	AS2220	13
0,0,1,1,0	13	Sweep	500-1200	4.46 / 8.4	2.22 / 6.16	1.48 / 5.42	0.25 sec off, 3.75 sec on	AS2220 evacuate tone	NZ, Aus	AS2220	12
1,0,1,1,0	14	Intermittent	630	3.31 / 7.25	1.38 / 5.32	0.98 / 4.92	3.33Hz 150ms on, 150ms off	Swedish alarm tone	Sweden		7
0,1,1,1,0	15	Intermittent	922	2.53 / 6.47	1.38 / 5.32	1.12 / 5.06	0.8Hz 0.25s on, 1s off	Intermittent Tone	UK	BS 5839 Pt 1	8
1,1,1,1,0	16	Intermittent	922	2.57 / 6.51	1.39 / 5.33	1.13 / 5.07	0.5Hz 1s on, 1s off	Back up alarm LF & BS5839 Pt 1	UK	BS 5839 Pt 1	8
0,0,0,0,1	17	Intermittent	2810	5.4 / 9.34	2.4 / 6.34	1.59 / 5.53	1Hz	Back up alarm HF & BS5839 Pt 1 2nd tone	UK	BS 5839 Pt 1	10
1,0,0,0,1	18	Intermittent	922	2.61 / 6.55	1.4 / 5.34	1.11 / 5.05	1Hz 500ms on, 500ms off	LF BS5839 Pt 1	UK	BS 5839 Pt 1	8
0,1,0,0,1	19	Intermittent	950	3.03 / 6.97	1.51 / 5.45	1.21 / 5.15	0.22Hz (0.5s on, 0.5s off) rptx3, 1.5s off		Australia	ISO8201	12
1,1,0,0,1	20	Continuous	800	3.29 / 7.23	1.56 / 5.5	1.17 / 5.11				BS 5839 Pt 1	22
0,0,1,0,1	21	Sweep	400-1200	3.85 / 7.79	1.66 / 5.6	1.15 / 5.09	(0.5s on, 0.5s off)*3, 1.5s off	Temporal 3 Evacuation tone	Australia	ISO8201 Temporal 3	12
1,0,1,0,1	22	Sweep	1200 - 500	4.07 / 8.01	2.96 / 6.9	1.4 / 5.34	0.99Hz 1s on, 0.01s off	Evacuate, DIN tone & PFEER	Germany	DIN, PFEER	20
0,1,1,0,1	23	Sweep	2400 - 2850	4.99 / 8.93	3.08 / 7.02	1.72 / 5.66	7Hz	Fast sweep VdS	Germany	VdS	10
1,1,1,0,1	24	Sweep	500 - 1200	4.36 / 8.3	2.04 / 5.98	1.5 / 5.44	(0.5s off, 3.5s on)	Slow whoop evacuate Netherlands	Netherlands	NEN 2575	8
0,0,0,1,1	25	Sweep	800 - 970	3.06 / 7.0	1.54 / 5.48	1.19 / 5.13	50Hz	LF Buzz BS5839 Pt 1	UK	BS5839 Pt 1	8
1,0,0,1,1	26	Sweep	800 - 970	2.77 / 6.71	1.59 / 5.53	1.21 / 5.15	7Hz	Fast sweep LF BS5839 Pt 1	UK	BS5839 Pt 1	8
0,1,0,1,1	27	Sweep	800 - 970	2.97 / 6.91	1.67 / 5.61	1.25 / 5.19	1Hz	Medium sweep LF, BS5839 Pt 1, VdS	UK, Germany	BS5839 Pt 1 VdS	8
1,1,0,1,1	28	Sweep	2400 - 2850	4.93 / 8.87	3.07 / 7.01	1.76 / 4.7	50Hz	High frequency buzz			10
0,0,1,1,1	29	Sweep	500 - 1000	2.96 / 6.9	1.45 / 5.39	1.08 / 5.02	7Hz	Fast whoop			8
1,0,1,1,1	30	Sweep	500 - 1200 - 500	4.01 / 7.95	1.7 / 5.64	1.29 / 5.23	0.166Hz rise 1s, stable 4s, fall 1s	Siren style tone			8
0,1,1,1,1	31	Sweep	800 - 1000	2.49 / 6.43	1.6 / 5.54	1.24 / 5.18	2Hz				8
1,1,1,1,1	32	Sweep	2400 - 2850	5.79 / 9.73	3.26 / 7.2	1.74 / 5.68	1Hz				10



**CE**  
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DOP007 - BSO-N  
DOP008 - BSO-I  
DOP009 - BSS-N  
DOP010 - BSS-I

**EN 54-3:2001 +A1: 2002 + A2:2006**  
Fire Detection and Fire Alarm Systems – Sounders  
**EN 54-17:2005/AC:2007** Fire Detection and Fire Alarm Systems - Short Circuit Isolator

**BSO,BSS**

**IMPORTANT NOTES:**  
For Isolated variants add 0.19mA to high, medium, low values above.

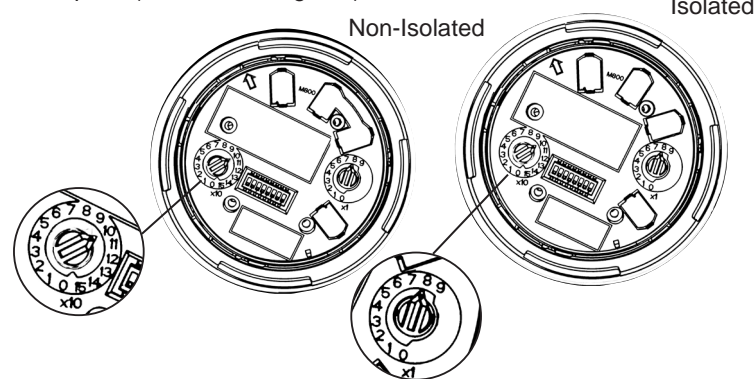
We reserve the right to amend the content of this document without prior notice.

Sounder Output data, in accordance with EN54-3, is available on Document Ref: D 1022.

**ADDRESS SETTING**

To set one of the 159 available addresses for the device use the two rotary switches located either side of the dip switch unit. The 'tens' digits go from 0 to 15 and the 'units' from 0 to 9.

Example A (Address setting 108)



Example B (Address setting 98)

