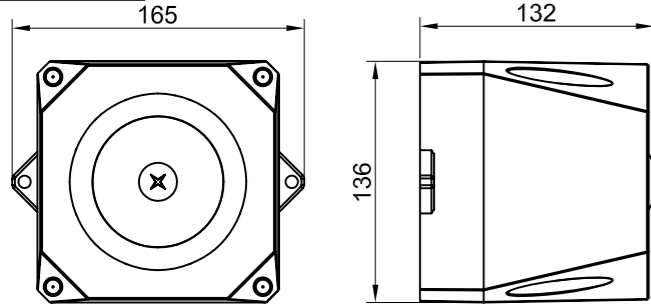


# ASSERTA Midi Sounder (9-60Vdc)

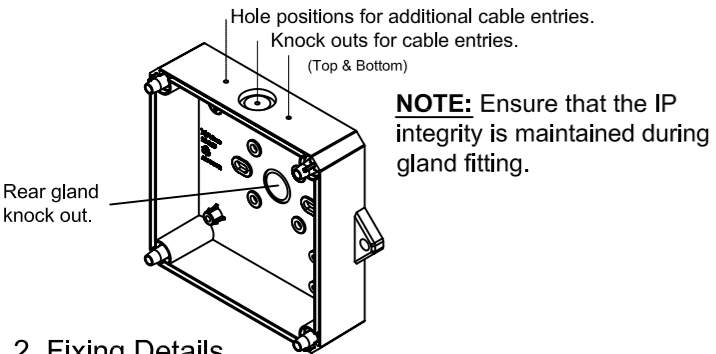
Specification	9-60Vdc
Operation	Continuous
Operating Voltage Range	9Vdc-15Vdc (Non-fire use) 15Vdc-60Vdc (EN54-3)
Sound Output @ 1m	See table overleaf
Current Consumption	See table overleaf
Tones	32 see table overleaf
Operating Temperature	-25°C to +70°C
Line Monitoring Method	Polarised Input
Construction	ABS /PC Plastic Case
Environment Category	Type A
Ingress Protection	IP66
Compliance	EN54-3 Fire Alarm device-Sounder

## Dimensions



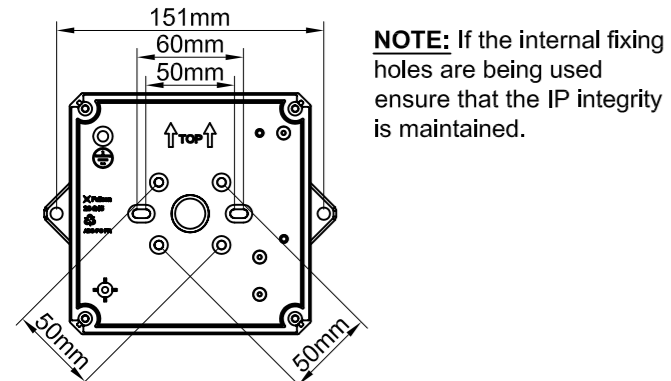
## 1. Installation

Knockout or drill required cable gland holes, and fix required cable glands.



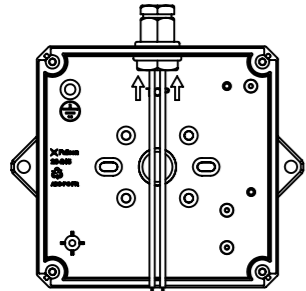
## 2. Fixing Details

Fix base to wall using the two external lugs, or to a suitable junction box using the positions indicated in the base.



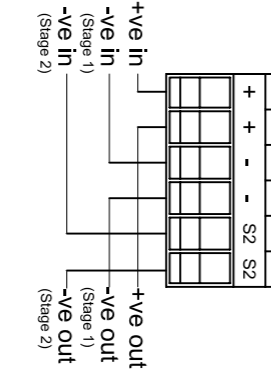
## 3. Cable Preparation

Cut cable to ±130mm. (use the opposite side of the base as a guide)



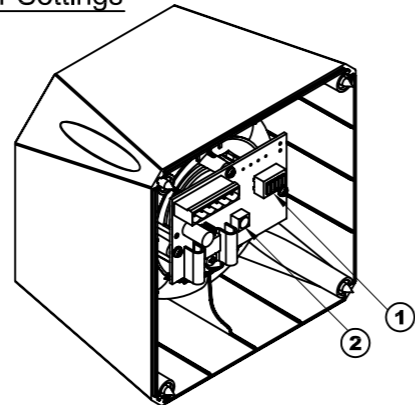
## 4. Connection Details

Remove the terminal blocks from the sounder for cable wiring.



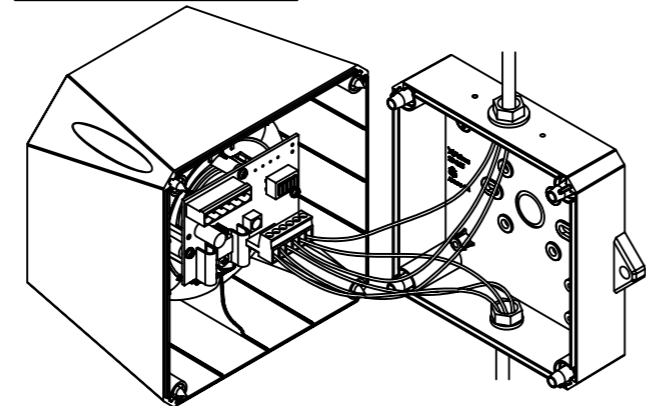
NOTE: Stage 2 tone selection is achieved by connecting the S2 input to the -ve (Stage 1) supply.

## 5. Sounder Settings

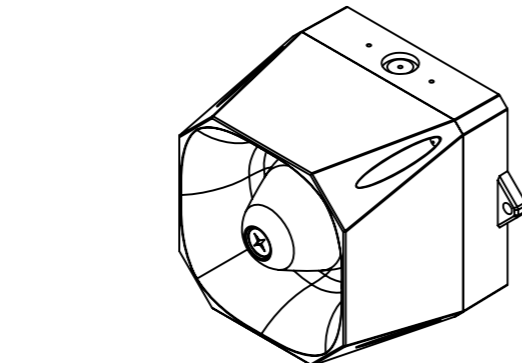


1. Tone select switch  
See table overleaf.  
0 = Open  
1 = Closed
2. Volume Control  
Turn dial clockwise to increase volume. (Nominal 10dB range)

## 6. Sounder Assembly



1. Plug the terminal block into the sounder header on the PCB.
2. Secure the sounder to the base using the bolts provided.



NOTE : Polar dispersion information available in the technical manual. (Ref:M04-005)

CE marking under CPD was affixed on; (see batch code on product)  
Fulleon Ltd, Cwmbran, South Wales, UK.

0832-CPD-0569



# Asserta Midi Sounder Tones Table

Primary Tone	Secondary Tone	CODE	Description	Frequencies	Pattern	Use	TONE			EN54-3 Min SPL @ 60Vdc @Max Volume @Lowest node dB(A)		
							12Vdc	24Vdc	48Vdc			
							I (mA)	dB(A)@1m	I (mA)	dB(A)@1m	I (mA)	dB(A)@1m
1	14	1111	Alternating	800 & 970	2Hz (250ms-250ms)	BS5839 Part 1 1988	15	102	32	108	35	109
2	14	1110	Sweep	800 & 970	7Hz (7/s)	Fast Sweep (LF) BS5839 Part 1 1988	11	101	24	107	26	108
3	14	1101	Sweep	800 & 970	1Hz (1/s)	Medium Sweep (LF) BS5839 Part 1 1988	11	102	23	108	27	109
4	14	1100	Continuous	2850	Steady		19	101	40	107	44	108
5	4	11011	Sweep	2400 to 2850	7Hz	Fast Sweep	15	101	31	107	35	108
6	4	11010	Sweep	2400 to 2850	1Hz		15	102	31	109	35	110
7	14	11001	Slow Whoop	300 to 1200	3s sweep, 0.5s silence, repeated	Slow Whoop	17	105	38	111	42	111
8	14	11000	Sweep	1200 to 500	1Hz	Din Tone	14	103	31	109	35	110
9	4	10111	Alternating	2400 & 2850	2Hz (250ms-250ms)		16	102	35	108	38	109
10	14	10110	Intermittent	970	0.5Hz (1s On/1s Off)	Back-up Alarm (LF) BS5839 Part 1 1988	13	102	30	108	33	109
11	14	10101	Alternating	800 & 970	1Hz (500ms-500ms)	BS5839 Part 1 1988	15	102	33	108	37	109
12	4	10100	Intermittent	2850	0.5Hz (1s On/1s Off)	Back-up Alarm (HF)	13	101	29	107	32	108
13	14	10011	Intermittent	970	0.8Hz (250ms On/1s Off)	BS5839 Part 1 1988	6	102	14	108	16	109
14	14	10010	Continuous	970	Steady	BS5839 Part 1 1988	18	102	41	108	45	109
15	14	10001	Alternating	554 & 440	100ms-400ms	French Fire Sound	13	102	32	108	36	108
16	16	10000	Intermittent	660	3.3Hz (150ms On/150ms Off)	Swedish Alarm Tone	8	100	17	106	21	107
17	17	01111	Intermittent	660	0.28Hz (1.8s On/1.8s Off)	Swedish Alarm Tone	11	101	26	106	29	108
18	18	01110	Intermittent	660	0.05Hz (6.5s On/13s Off)	Swedish Alarm Tone	13	101	30	107	32	108
19	19	01101	Continuous	660	Steady	Swedish Alarm Tone	13	101	30	107	33	108
20	20	01100	Alternating	554 & 440	0.5Hz (1s On/1s Off)	Swedish Alarm Tone	13	102	32	107	35	108
21	21	01011	Intermittent	660	1Hz (500ms-500ms)	Swedish Alarm Tone	9	101	20	106	23	108
22	14	01010	Intermittent	2850	4Hz (150ms On/100ms Off)	Pelican Crossing	12	100	25	106	28	107
23	14	01001	Sweep	800 to 970	50Hz	Low Frequency Buzz BS5839 Part 1 1988	11	101	24	107	26	108
24	4	01000	Sweep	2400 to 2850	50Hz	High Frequency Buzz	15	100	31	107	34	108
25	25	00111	Intermittent	970	500mS On/500mS Off	ISO 8201 Low Frequency	11	102	25	108	29	109
26	26	00110	Intermittent	2850	500mS On/500mS Off	ISO 8201 High Frequency	12	101	25	107	28	108
27	27	00101	Continuous	4000	Steady		16	99	32	105	39	106
28	10	00100	Alternating	800 & 970	2Hz (250ms-250ms)	FP1063.1-Telecom	14	102	32	108	36	109
29	988Hz	00011	Alternating	990 & 650	2Hz (250ms-250ms)	Symphoni Tones	11	100	23	106	26	107
30	510Hz	00010	Alternating	510 & 610	2Hz (250ms-250ms)	Squashni Micro	14	102	34	108	37	109
31	31	00001	Sweep	300 to 1200	1Hz		16	103	41	109	44	110
32	27	00000	Alternating	510 & 610	1Hz (500ms-500ms)		14	103	34	108	38	109