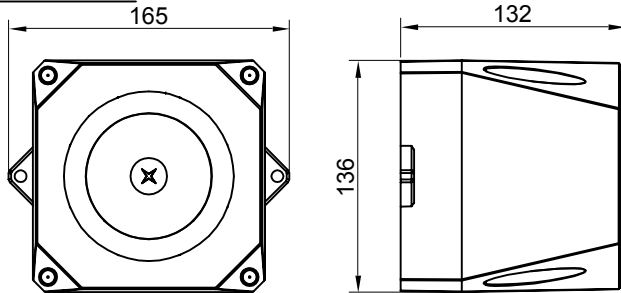


ASSERTA Midi Sounder (24VAC/DC Reversible)



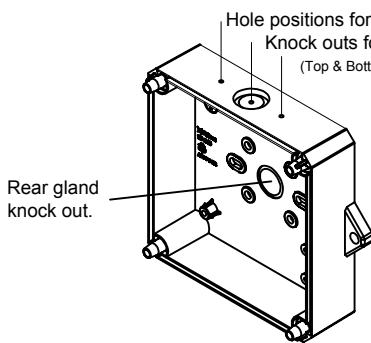
Specification	24V AC	DC Reversible
Operation	Continuous	Continuous
Operating Voltage Range	24V AC 50/60Hz	9Vdc-15Vdc 15Vdc-60Vdc
Sound Output @ 1m	See table overleaf	See table overleaf
Current Consumption	See table overleaf	See table overleaf
Tones	32 see table overleaf	32 see table overleaf
Operating Temperature	-25°C to +75°C	-25°C to +75°C
Line Monitoring Method	N/A	N/A
Construction	ABS /PC Plastic Case	ABS /PC Plastic Case
Ingress Protection	IP66	IP66

Dimensions



1. Installation

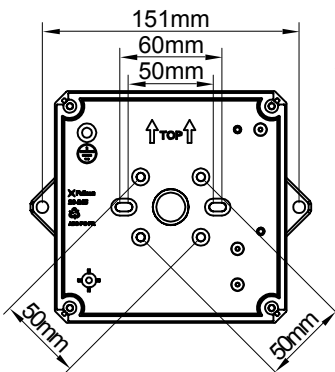
Knockout or drill required cable gland holes, and fix required cable glands.



NOTE: Ensure that the IP integrity is maintained during gland fitting.

2. Fixing Details

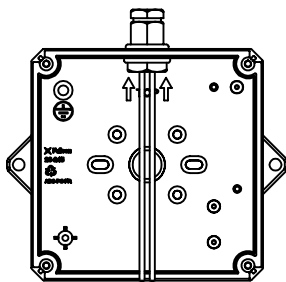
Fix base to wall using the two external lugs, or to a suitable junction box using the positions indicated in the base.



NOTE: If the internal fixing holes are being used ensure that the IP integrity is maintained.

3. Cable Preparation

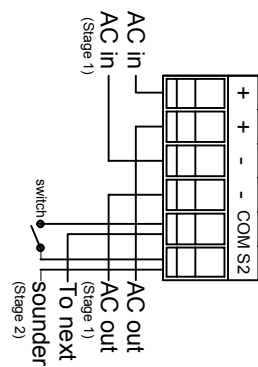
Cut cable to $\pm 130\text{mm}$. (use the opposite side of the base as a guide)



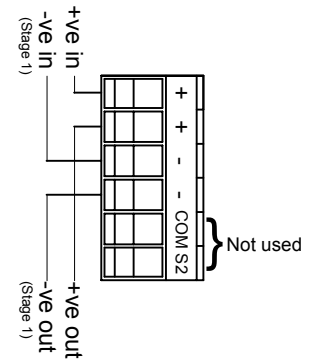
4. Connection Details

Remove the terminal blocks from the sounder for cable wiring.

24V AC



DC Reversible



NOTE: Stage 2 tone selection is achieved by connecting the S2 input to the COM input.

NOTE: Stage 2 tone selection is achieved by reversing the supply polarity.

5. Sounder Settings

1. Tone select switch

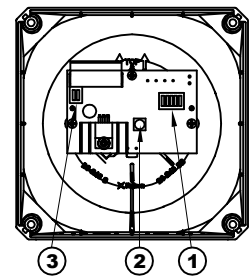
See table overleaf.
0 = Open
1 = Closed

2. Volume Control

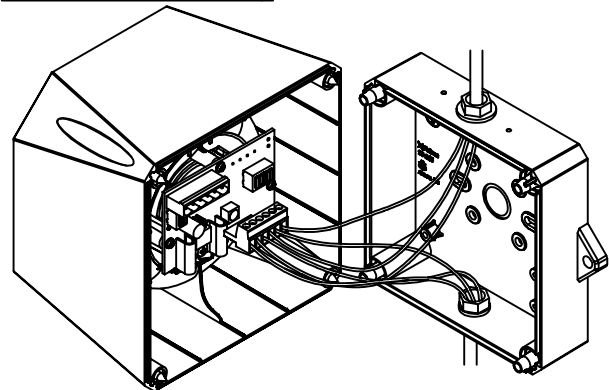
Turn dial clockwise to increase volume. (Nominal 10dB range)

3. 24V AC/Reversible DC select

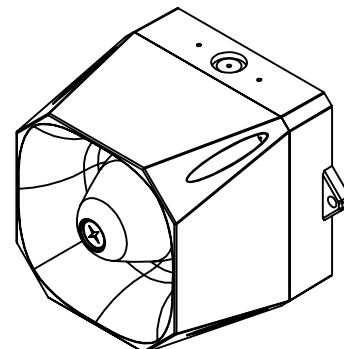
BIT	Operational Mode
1 2	24V AC
0 0	24V AC
1 1	Reversible DC



6. Sounder Assembly




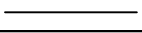
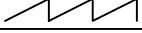
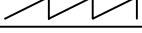
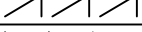
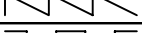
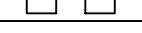

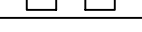
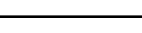
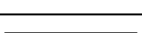
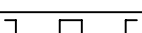

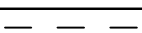
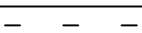
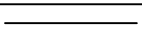

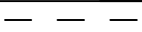
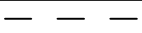


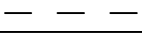
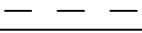
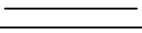


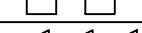

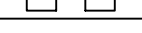



1. Plug the terminal block into the sounder header on the PCB.
2. Secure the sounder to the base using the bolts provided.



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

Asserta Midi Sounder Tones Table

Primary Tone	Secondary Tone	CODE	TONE					24V AC/Reversible DC	
			Description	Frequencies	Pattern	Use	Waveform	I (mA)	dB(A)@1m
1	14	11111	Alternating	800 & 970	2Hz (250ms-250ms)	BS5839 Part 1 1988		32	108
2	14	11110	Sweep	800 & 970	7Hz (7/s)	Fast Sweep (LF) BS5839 Part 1 1988		24	107
3	14	11101	Sweep	800 & 970	1Hz (1/s)	Medium Sweep (LF) BS5839 Part 1 1988		23	108
4	14	11100	Continuous	2850	Steady			40	107
5	4	11011	Sweep	2400 to 2850	7Hz	Fast Sweep		31	107
6	4	11010	Sweep	2400 to 2850	1Hz			31	109
7	14	11001	Slow Whoop	300 to 1200	3s sweep, 0.5s silence, then repeat (rep)	Slow Whoop		38	111
8	14	11000	Sweep	1200 to 500	1Hz	Din Tone		31	109
9	4	10111	Alternating	2400 & 2850	2Hz (250ms-250ms)			35	108
10	14	10110	Intermittent	970	0.5Hz (1s On/1s Off)	Back-up Alarm (LF) BS5839 Part 1 1988		30	108
11	14	10101	Alternating	800 & 970	1Hz (500ms-500ms)	BS5839 Part 1 1988		33	108
12	4	10100	Intermittent	2850	0.5Hz (1s On/1s Off)	Back-up Alarm (HF)		29	107
13	14	10011	Intermittent	970	0.8Hz (250ms On/1s Off)	BS5839 Part 1 1988		14	108
14	14	10010	Continuous	970	Steady	BS5839 Part 1 1988		41	108
15	14	10001	Alternating	554 & 440	100ms-400ms	French Fire Sound		32	108
16	16	10000	Intermittent	660	3.3Hz (150ms On/150ms Off)	Swedish Alarm Tone		17	106
17	17	01111	Intermittent	660	0.28Hz (1.8s On/1.8s Off)	Swedish Alarm Tone		26	106
18	18	01110	Intermittent	660	0.05Hz (6.5s On/13s Off)	Swedish Alarm Tone		30	107
19	19	01101	Continuous	660	Steady	Swedish Alarm Tone		30	107
20	20	01100	Alternating	554 & 440	0.5Hz (1s On/1s Off)	Swedish Alarm Tone		32	107
21	21	01011	Intermittent	660	1HZ (500ms-500ms)	Swedish Alarm Tone		20	106
22	14	01010	Intermittent	2850	4Hz (150ms On/100ms Off)	Pelican Crossing		25	106
23	14	01001	Sweep	800 to 970	50Hz	Low Frequency Buzz BS5839 Part 1 1988		24	107
24	4	01000	Sweep	2400 to 2850	50Hz	High Frequency Buzz		31	107
25	25	00111	Intermittent	970	500mS On/500mS Off	ISO 8201 Low Frequency		25	108
26	26	00110	Intermittent	2850	500mS On/500mS Off	ISO 8201 High Frequency		25	107
27	27	00101	Continuous	4000	Steady			32	105
28	10	00100	Alternating	800 & 970	2Hz (250ms-250ms)	FP1063.1-Telecom		32	108
29	988Hz	00011	Alternating	990 & 650	2Hz (250ms-250ms)(Symphoni tones)	Symphoni Tones		23	106
30	510Hz	00010	Alternating	510 & 610	2Hz (250ms-250ms)(Squashni Micro tones)	Squashni Micro		34	108
31	31	00001	Sweep	300 to 1200	1Hz			41	109
32	27	00000	Alternating	510 & 610	1Hz (500ms-500ms)			34	108