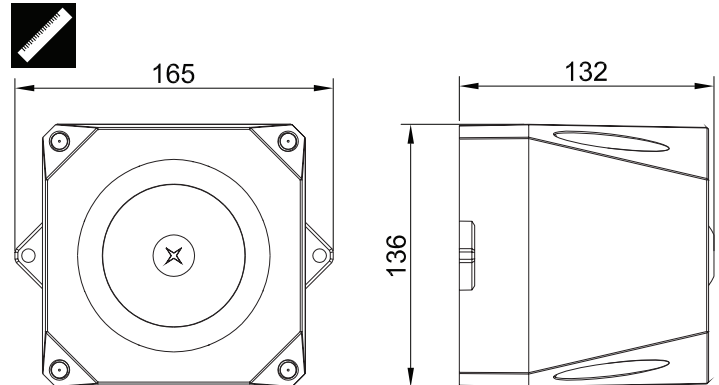


# Technical Data



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
Live Monitoring Method	Polarised Input
Construction	ABS FR Plastic Case
Environment Category	Type A/B
Ingress Protection	IP66*
Compliance	EN54-3:2001 Fire Alarm Device-Sounder

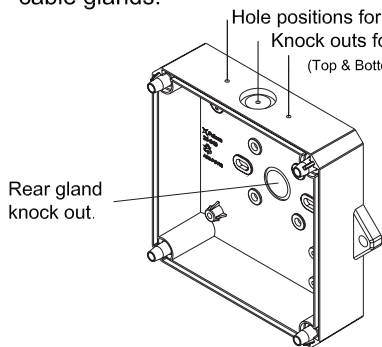


**Note:** Polar dispersion information available in the technical manual. (Ref:M04-005)

\*Device not EN54 certified to IP66. Manufacturer's declaration.

## 1. Installation

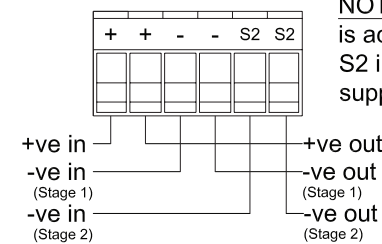
Knockout or drill required cable gland holes, and fix required cable glands.



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

## 4. Connection Details

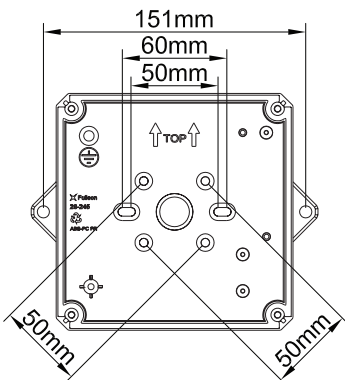
Remove the terminal blocks from the sounder for cable wiring.



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

## 2. Fixing Details

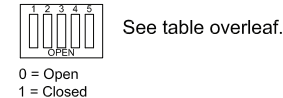
Fix base to wall using the two external lugs, or to a suitable junction box using the positions indicated in the base.



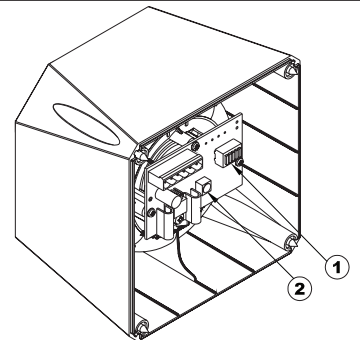
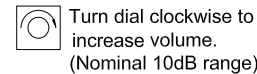
**NOTE:** If the internal fixing holes are being used ensure that the IP integrity is maintained.

## 5. Sounder Settings

### 1. Tone select switch

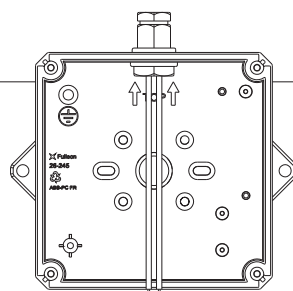


### 2. Volume Control

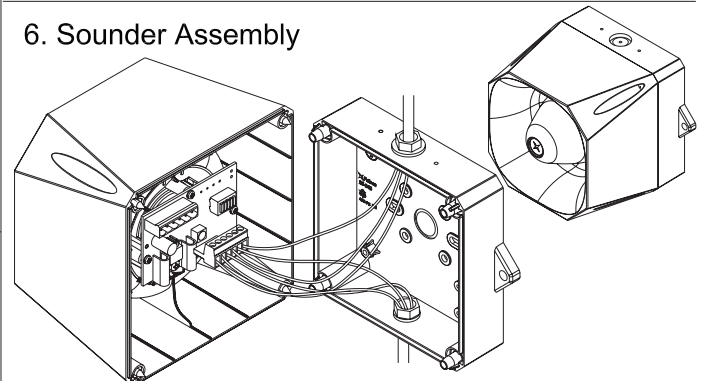


## 3. Cable Preparation

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



## 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.

## Asserta Midi Sounder Tones Table

Primary Tone	Secondary Tone	CODE	TONE					Eaton internal measurements on axis and not 3rd party verified						EN54-3 Min SPL @ 60Vdc @Max Volume @Loudest node dB(A)		
								Stage 1 & 2		12Vdc		24Vdc			48Vdc	
								I (mA)	dB(A)@1m	I (mA)	dB(A)@1m	I (mA)	dB(A)@1m			
1	14	11111	Alternating	800 & 970	2Hz (250ms-250ms)	BS5839 Part 1 1988		15	102	32	108	35	109	*		
2	14	11110	Sweep	800 & 970	7Hz (7/s)	Fast Sweep (LF) BS5839 Part 1 1988		11	101	24	107	26	108	*		
3	14	11101	Sweep	800 & 970	1Hz (1/s)	Medium Sweep (LF) BS5839 Part 1 1988		13	99	31	105	38	106	102		
4	14	11100	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		10	101	23	107	27	108	106		
8	14	11000	Sweep	1200 to 500	1Hz	Din Tone		12	100	28	106	33	107	105		
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	1	10010	Continuous	970	Steady	BS5839 Part 1 1988		13	100	34	106	33	107	105		
15	14	10001	Alternating	554 & 440	100ms-400ms	French Fire Sound		13	102	32	108	36	108	*		
16	19	10000	Intermittent	660	3.3Hz (150ms On/150ms Off)	Swedish Alarm Tone		8	100	17	106	21	107	*		
17	19	01111	Intermittent	660	0.28Hz (1.8s On/1.8s Off)	Swedish Alarm Tone		11	101	26	106	29	108	*		
18	19	01110	Intermittent	660	0.05Hz (6.5s On/13s Off)	Swedish Alarm Tone		13	101	30	107	32	108	*		
19	1	01101	Continuous	660	Steady	Swedish Alarm Tone		13	101	30	107	33	108	*		
20	19	01100	Alternating	554 & 440	0.5Hz (1s On/1s Off)	Swedish Alarm Tone		13	102	32	107	35	108	*		
21	14	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	14	00111	Intermittent	970	500mS On/500mS Off	ISO 8201 Low Frequency		11	102	25	108	29	109	*		
26	14	00110	Intermittent	2850	500mS On/500mS Off	ISO 8201 High Frequency		12	101	25	107	28	108	*		
27	14	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		13	99	28	105	33	106	103		
30	510Hz	00010	Alternating	510 & 610	2Hz (250ms-250ms)	Squashni Micro		11	98	30	104	35	105	103		
31	14	00001	Sweep	300 to 1200	1Hz			16	103	41	109	44	110	*		
32	510Hz	00000	Alternating	510 & 610	1Hz (500ms-500ms)			14	103	34	108	38	109	*		