ASSERTA Midi Sounder/Beacon (230VAC)

Specification

NOTE: 230VAC are seperate products

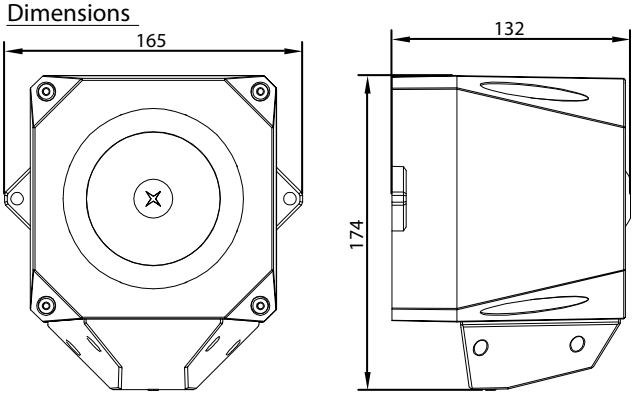
Sounder

	230V AC
Operation	Continuous
Operating Voltage Range	230Vac 50/60Hz
Sound Output @ 1m	See table overleaf
Current Consumption	See table overleaf
Tones	32 see table overleaf
Operating Temperature	-20°C to +70°C
Construction	ABS /PC FR plastic
Termination	0.28~2.5mm² cable
Ingress Protection	IP66
Fuse	32mA Antisurge, 20mm

Beacon

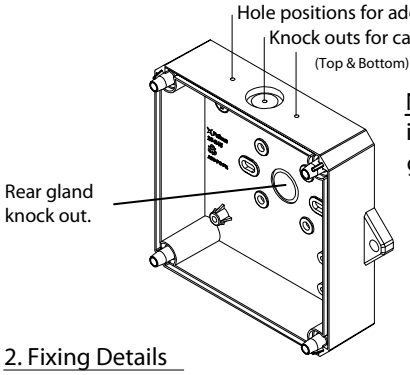
	230V AC
Operating Voltage Range	230Vac 50/60Hz
Current Consumption	30mA
Rating	2.5 Joules
Operating Temperature	-20°C to +70°C
Construction	ABS /PC FR plastic
Termination	0.28~2.5mm² cable
Ingress Protection	IP66
Fuse	315mA Antisurge, 20mm

Dimensions



1. Installation

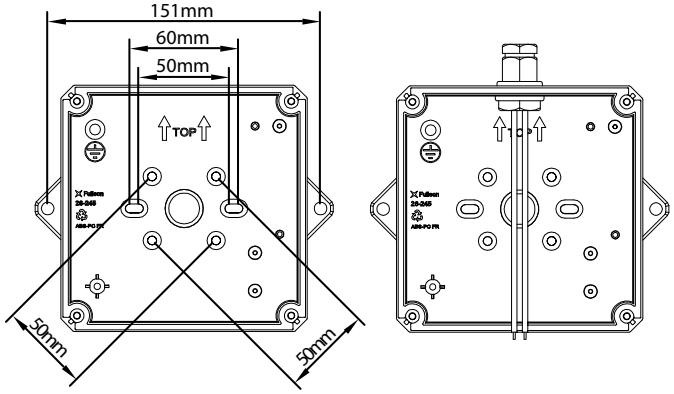
Knockout or drill required cable gland holes, and fix required cable glands.



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

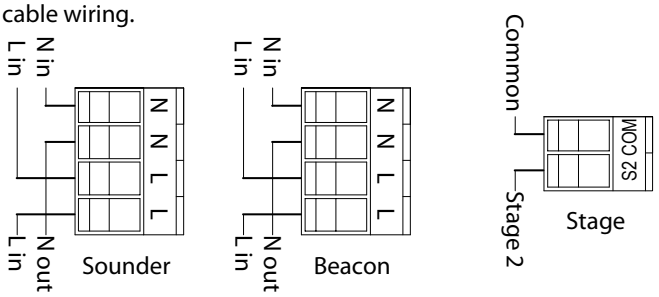
2. Fixing Details

Fix base to wall using the two external lugs, or to a suitable junction box using the positions indicated in the base.
Cut cable to ±130mm. (use the opposite side of the base as a guide)
NOTE: If the internal fixing holes are being used ensure that the IP integrity is maintained.



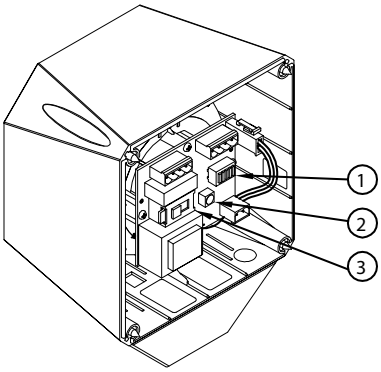
3. Connection

Remove the terminal blocks from the sounder PCB for cable wiring.



NOTE: Stage 2 tone selection is achieved by connecting the S2 to the common terminal.
DO NOT connect AC mains to these terminals.
NB: A readily accessible disconnect device must be incorporated in the mains supply wiring to this unit.

4. Sounder Settings



1. Tone Switch

See table overleaf.
0 = Open
1 = Closed

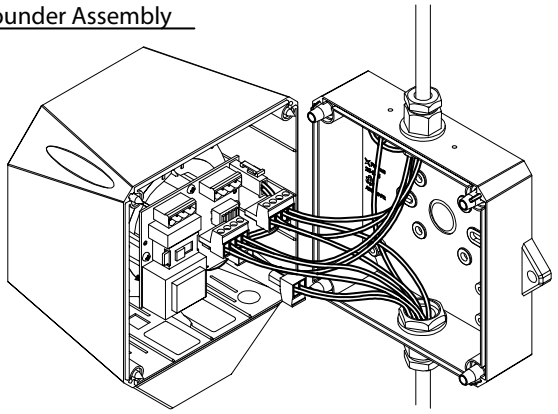
2. Volume Control

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

3. Voltage Select Switch

Ensure that the correct mains input voltage is selected.

5. Sounder Assembly



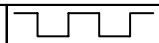
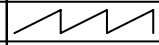
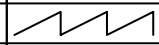
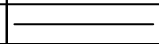
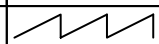
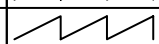
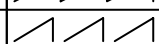
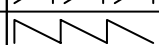
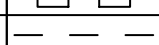
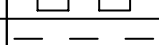
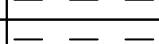
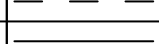
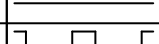
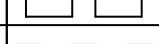
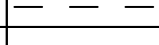
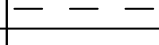
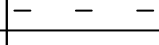
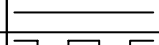
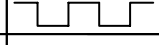
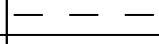
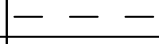
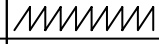
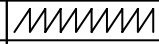
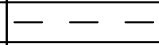
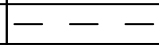
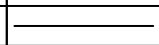
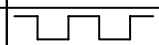
1. Plug the two 4 way terminal blocks into the 4 way headers on the sounder PCB.
2. Plug the 2 way terminal block into the sounder header on the PCB.
3. Secure the sounder to the base using the bolts provided.

WARNING : Do not remove cover, refer servicing to qualified personnel.
: High voltage present within this equipment.

NOTE : Polar dispersion information available in the technical manual. (Ref:M03-003)

25-12384-A

Asserta Midi Sounder Tones Table

Primary Tone	Secondary Tone	CODE	TONE					Stage 1 & 2 230Vac	
		12345	Description	Frequencies	Pattern	Use		I (mA)	dB(A)@1m
1	14	11111	Alternating	800 & 970	2Hz (250ms-250ms)	BS5839 Part 1 1988		13	110
2	14	11110	Sweep	800 & 970	7Hz (7/s)	Fast Sweep (LF) BS5839 Part 1 1988		12	111
3	14	11101	Sweep	800 & 970	1Hz (1/s)	Medium Sweep (LF) BS5839 Part 1 1988		12	112
4	14	11100	Continuous	2850	Steady			14	109
5	4	11011	Sweep	2400 to 2850	7Hz	Fast Sweep		13	110
6	4	11010	Sweep	2400 to 2850	1Hz			13	111
7	14	11001	Slow Whoop	300 to 1200	3s sweep, 0.5s silence, then repeat (rep)	Slow Whoop		13	113
8	14	11000	Sweep	1200 to 500	1Hz	Din Tone		13	112
9	4	10111	Alternating	2400 & 2850	2Hz (250ms-250ms)			13	110
10	14	10110	Intermittent	970	0.5Hz (1s On/1s Off)	Back-up Alarm (LF) BS5839 Part 1 1988		13	111
11	14	10101	Alternating	800 & 970	1Hz (500ms-500ms)	BS5839 Part 1 1988		13	110
12	4	10100	Intermittent	2850	0.5Hz (1s On/1s Off)	Back-up Alarm (HF)		13	109
13	14	10011	Intermittent	970	0.8Hz (250ms On/1s Off)	BS5839 Part 1 1988		12	110
14	1	10010	Continuous	970	Steady	BS5839 Part 1 1988		13	111
15	14	10001	Alternating	554 & 440	100ms-400ms	French Fire Sound		13	110
16	19	10000	Intermittent	660	3.3Hz (150ms On/150ms Off)	Swedish Alarm Tone		12	109
17	19	01111	Intermittent	660	0.28Hz (1.8s On/1.8s Off)	Swedish Alarm Tone		12	110
18	19	01110	Intermittent	660	0.05Hz (6.5s On/13s Off)	Swedish Alarm Tone		13	110
19	1	01101	Continuous	660	Steady	Swedish Alarm Tone		13	110
20	19	01100	Alternating	554 & 440	0.5Hz (1s On/1s Off)	Swedish Alarm Tone		13	110
21	14	01011	Intermittent	660	1HZ (500ms-500ms)	Swedish Alarm Tone		12	110
22	14	01010	Intermittent	2850	4Hz (150ms On/100ms Off)	Pelican Crossing		12	109
23	14	01001	Sweep	800 to 970	50Hz	Low Frequency Buzz BS5839 Part 1 1988		12	111
24	4	01000	Sweep	2400 to 2850	50Hz	High Frequency Buzz		13	109
25	14	00111	Intermittent	970	500mS On/500mS Off	ISO 8201 Low Frequency		12	110
26	14	00110	Intermittent	2850	500mS On/500mS Off	ISO 8201 High Frequency		12	109
27	14	00101	Continuous	4000	Steady			13	106
28	10	00100	Alternating	800 & 970	2Hz (250ms-250ms)	FP1063.1-Telecom		13	110
29	988Hz	00011	Alternating	990 & 650	2Hz (250ms-250ms)(Symphoni tones)	Symphoni Tones		12	109
30	510Hz	00010	Alternating	510 & 610	2Hz (250ms-250ms)(Squashni Micro tones)	Squashni Micro		13	111
31	14	00001	Sweep	300 to 1200	1Hz			13	111
32	510Hz	00000	Alternating	510 & 610	1Hz (500ms-500ms)			13	111