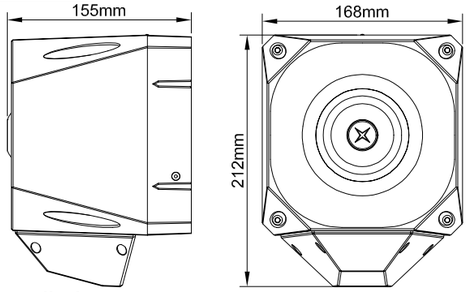
ASSERTA Industrial Sounder/Beacon (24Vdc)

stinger fire detection
GRUPO BSKY BRASIL FIRE DETECTION

Specification

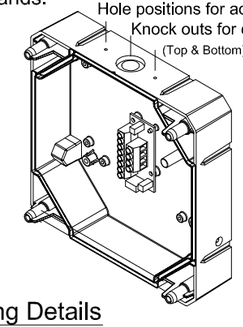
	24Vdc Sounder	24Vdc Beacon
Operation	Continuous	Continuous
Operating Voltage Range	18Vdc-30Vdc	18Vdc-30Vdc
Rating	N/A	3.5 Joules
Sound Output @ 1m	See table overleaf	N/A
Current Consumption	See table overleaf	See table below
Tones	42 see table overleaf	N/A
Operating Temperature	-25°C to +75°C	-25°C to +75°C
Line Monitoring Method	Polarised Input	Polarised Input
Construction	ABS /PC FR plastic	ABS /PC FR plastic
Monitoring mode	Polarising diode	Polarising diode
Termination	0.28~2.5mm² cable	0.28~2.5mm² cable
Environment Category	Type A/B	Type A/B
Ingress Protection	IP66	IP66
Compliance	EN54-3 Fire Alarm device -Sounder	EN54-3 Fire Alarm device -Sounder

Dimensions



1. Installation

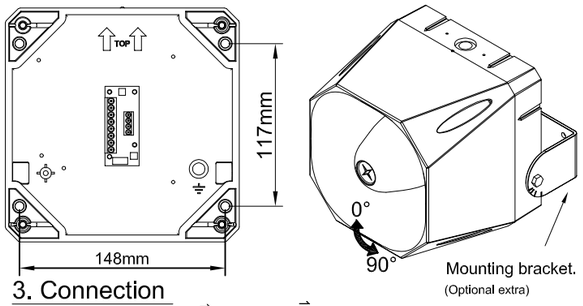
Knockout or drill required cable gland holes, and fix required cable glands.



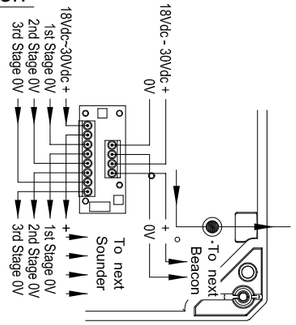
NOTE: Ensure that the IP integrity is maintained during gland fitting.
(Take care not to disturb the electronics while drilling.
Remove PCB if required)

2. Fixing Details

Fix base to wall in 4 positions.

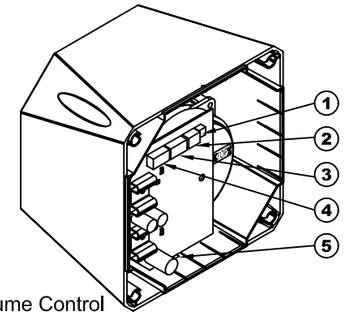


3. Connection



25-5550-B

4. Sounder Settings



1. Volume Control

Turn dial clockwise to increase volume.
(Nominal 20dB range)

2. Switch 1 (Time out setting)

0 = Open
1 = Closed

BIT 123X	Minutes	BIT 123X	Minutes
111X	5	011X	25
110X	10	010X	30
101X	15	001X	40
100X	20	000X	∞

Switch 1 bit 4 is to select voice (0)/ no voice (1). (Where fitted)

3. Switch 2 (Stage1 tone selection)

See table overleaf.

4. Switch 3 (Stage 2 tone selection)

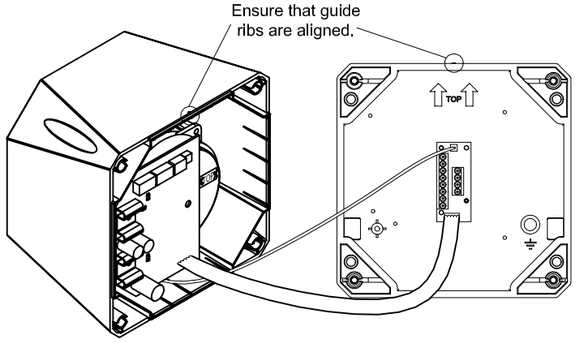
See table overleaf.
(Stage 3 Tone is dependent on the setting of switch 2)

5. Beacon Switch (24Vdc only)

See table below.

Switch 1	Switch 2	Flash Rate	Current
open	open	45/min	120-370mA
closed	open	60/min	190-570mA
open	closed	85/min	180-530mA
closed	closed	120/min	220-620mA

5. Sounder Assembly



1. Plug the 5 way ribbon cable into the base header.
2. Plug the 2 way ribbon cable into the base header.
3. Ensure that the top indicator on the base is aligned with the top indicator on the sounder, and push the sounder onto the base.
4. Secure the sounder to the base using the bolts provided.

WARNING : On some tones the output level can exceed 120dB(A) @ 1m. Consult the relevant or appropriate health and safety regulations for guidelines. Tones Table overleaf.
NOTE : Polar dispersion information available in the technical manual. (Ref:M03-003)

CE marking under CPD was affixed on: (see batch code on product)

AS 110 0832-CPD-0568
AS 120 0832-CPD-0567

1st & 2nd Tone bank	3rd Tone bank	Switch Setting (0=Open) 123456	Pattern	Frequency (Hz)	Tone Description — Rate	Asserta 110 Average current @ max vol @ 24VDC mA	Asserta 110 24Vdc on axis @ 1M dB(A)	Asserta 110 EN54-3 30Vdc see notes dB(A)	Asserta 120 Average current @ max vol @ 24VDC mA	Asserta 120 *24Vdc on axis @ 1M dB(A)	Asserta 120 EN54-3 30Vdc see notes dB(A)
					Market / Depiction						
A 1	A14	111111	Alternating	970 then 800	2Hz (250ms-250ms)	108	111	*	450	117	*
A 2	A14	111110	Sweep	800 to 970	7Hz (7/s)	103	112	*	450	120	*
A 3	A14	111101	Sweep	800 to 970	1Hz (1/s)	105	112	112	450	120	116
A 4	A9	111100	Continuous	2850	Steady	122	106	*	445	109	*
A 5	A4	111011	Sweep	2400 to 2850	7Hz	119	103	*	447	109	*
A 6	A4	111010	Sweep	2400 to 2850	1Hz	121	105	*	446	110	*
A 7	A14	111001	Slow whoop	500 to 1200	3s sweep, 0.5 s silence, then repeat (rep)	115	111	112	340	119	116
A 8	A14	111000	Sweep (DIN)	1200 to 500	1Hz	115	111	112	430	119	116
A 9	A4	110111	Alternating	2850 then 2400	2Hz (250ms-250ms)	121	108	*	450	112	*
A 10	A14	110110	Intermittent	970	0.5Hz (1s On/1s Off)	71	108	*	229	117	*
A 11	A14	110101	Alternating	970 then 800	1Hz (500ms-500ms)	106	109	*	375	116	*
A 12	A4	110100	Intermittent	2850	0.5Hz (1s On/1s Off)	89	107	*	235	109	*
A 13	A14	110011	Intermittent	970	0.8Hz (250ms On/1s Off)	35	108	*	100	117	*
A 14	A8	110010	Continuous	970	Steady	104	109	111	450	117	115
A 15	A14	110001	Alternating	440 then 554	100ms-400ms	76	106	*	294	115	*
A 16	A14	110000	Intermittent	660	3.3Hz (150ms On/150msOff)	60	106	*	232	114	*
A 17	A14	101111	Intermittent	660	0.28Hz(1.8s On/1.8s Off)	88	106	*	220	115	*
A 18	A14	101110	Intermittent	660	0.05Hz (6.5s On/13s Off)	101	106	*	150	115	*
A 19	A1	101101	Continuous	660	Steady	103	107	*	429	116	*
A 20	A19	101100	Alternating	440 then 554	0.5Hz (1s On/1s Off)	83	106	*	312	115	*
A 21	A4	101011	Intermittent	660	1Hz (500ms-500ms)	66	106	*	220	115	*
A 22	A4	101010	Intermittent	2850	4Hz (150ms On/100ms Off)	83	105	*	286	108	*
A 23	A14	101001	Sweep	800 to 970	50Hz	102	109	*	419	117	*
A 24	A4	101000	Sweep	2400 to 2850	50Hz	120	106	*	440	110	*
A 25	A14	100111	Intermittent	970	3 x 500ms pulses followed by 1.5s silence then repeat	62	109	*	180	117	*
A 26	A4	100110	Intermittent	2850	3 x 500ms pulses followed by 1.5s silence then repeat	64	107	*	180	109	*
A 27	A6	100101	Continuous	4000	Steady	109	101	*	450	105	*
A 28	A14	100100	Alternating	970 then 800	2Hz (250ms-250ms)	106	109	*	414	116	*
A 29	A14	100011	Alternating	990 then 650	2Hz (250ms-250ms) (Symphoni tones)	104	109	111	444	117	115
A 30	A14	100010	Alternating	510 then 610	2Hz (250ms-250ms) (Squashni Micro tones)	96	107	109	370	116	113
A 31	A14	100001	Sweep	300 to 1200	1Hz	84	110	*	285	118	*
A32	A3	100000	Continuous	Bell	Steady	120	111	*	450	117	*
A33	A14	11111	Intermittent	Bell	3 x 500ms pulses followed by 1.5s silence then repeat	69	111	*	180	117	*
A34	A4	11110	Alternating	1000 then 2000	1Hz (500ms-500ms)	112	107	*	450	115	*
A35	A14	11101	Intermittent	420	6 step ramped start pulsed @ 0.625S ON /0.625S OFF	46	108	*	140	116	*
A36	A14	11100	Sweep	500 to 1200	Sweep 3.75s followed by 0.25s gap	91	109	*	340	117	*
A37	A14	11011	Sweep	1400 to 1600	Sweep up 1s, sweep down 0.5s	122	108	*	448	116	*
A38	A14	11010	Sweep	500 to 1200	Sweep UP & DOWN over 3s	94	109	*	310	117	*
A39	A14	11001	Intermittent	720	0.7s ON, 0.3OFF	90	110	*	310	117	*
A40	A14	11000	Sweep	422 to 775	Sweep for 0.85s, 1s delay, repeat	60	109	*	180	118	*
A41	A3	10111	Continuous	470	Steady	85	104	*	340	114	*
A42	A3	10110	Continuous	370	Steady	76	104	*	272	113	*

Note (a): Tones approved under the Construction Products Directive for Fire Alarm Applications, are shown in the column marked EN54-3.
Note (b): EN54-3 measurements shown reflect minimum expected SPL readings at Maximum Volume at the Loudest Point around the EN54-3 defined sounder axis.
Note (c): All other tone measurements reflect manufacturers data based on 'on axis' measurements, and are not verified by a Notified body.
Note (d): Detailed EN54-3 polar SPL measurements are available in the Product Manual for the appropriate sounder.
Note (e): All measurements taken at 20oC operating temperature.

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