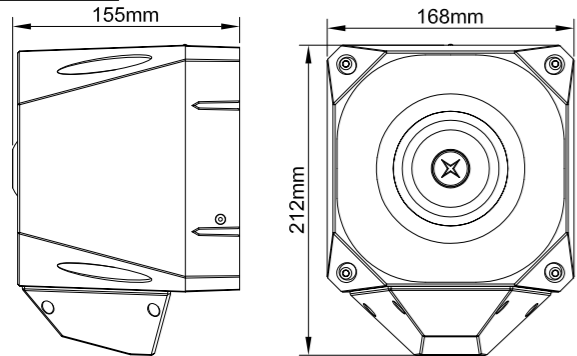


ASH.024.2* Industrial Sounder/Beacon (24Vdc)

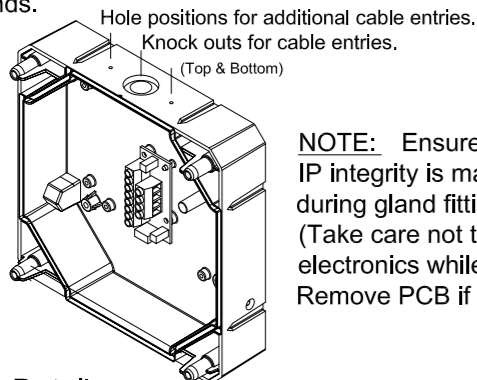
Specification	24Vdc Sounder	24Vdc Beacon
Operation	Continuous	Continuous
Operating Voltage Range	18Vdc-30Vdc	18Vdc-30Vdc
Rating	N/A	3.5 Joules
Sound Output @ 1m	See table overleaf	See table below
Current Consumption	42 see table overleaf	N/A
Tones	-25°C to +75°C	-25°C to +75°C
Operating Temperature	Polarised Input	Polarised Input
Line Monitoring Method	ABS /PC FR plastic	ABS /PC FR plastic
Construction	Polarising diode	Polarising diode
Monitoring mode	0.28~2.5mm ² cable	0.28~2.5mm ² cable
Termination	Type A/B	Type A/B
Environment Category	IP66	IP66
Ingress Protection	EN54-3	EN54-3
Compliance	Fire Alarm device -Sounder	Fire Alarm device -Sounder

Dimensions



1. Installation

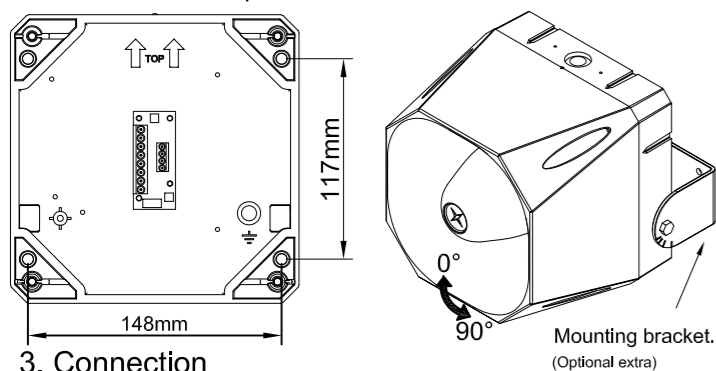
Knockout or drill required cable gland holes, and fix required cable glands.



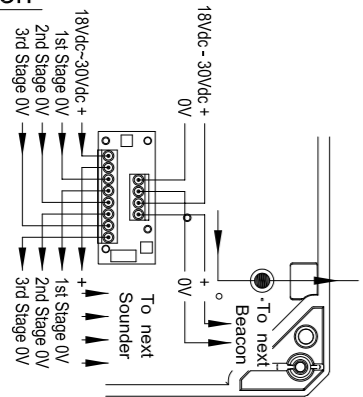
NOTE: Ensure that the IP integrity is maintained during gland fitting. (Take care not to disturb the electronics while drilling. Remove PCB if required)

2. Fixing Details

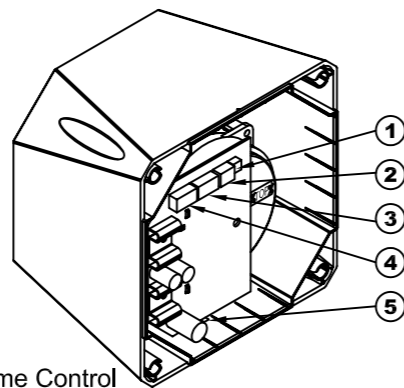
Fix base to wall in 4 positions.



3. Connection



4. Sounder Settings



1. Volume Control

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

2. Switch 1 (Time out setting)

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

0 = Open

1 = Closed

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)

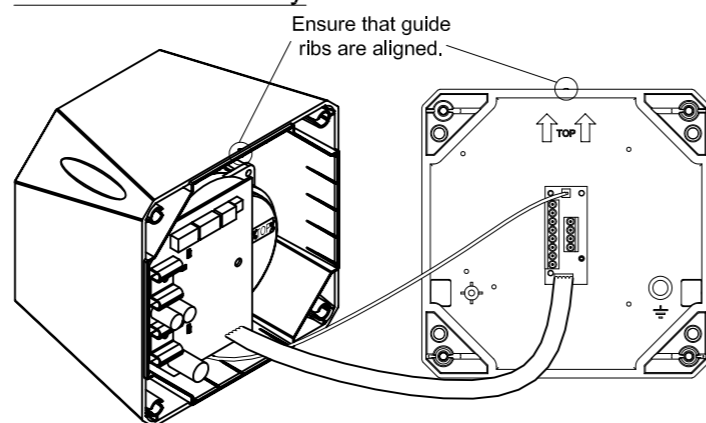
See table overleaf. (Stage 3 Tone is dependent on the setting of switch 2)

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.



1st & 2nd Tone Bank	3rd Tone Bank	Switch Setting (0=Open)	Frequency (Hz)	Rate	Tone Description	Market	Depiction	ASH 110		ASH 120	
								Average current @ max vol @ 24VDC	24Vdc on axis @ 1M	Average current @ max vol @ 24VDC	*24Vdc on axis @ 1M see notes
A 1	A14	123456	970 then 800	2Hz (250ms-250ms)	EVIAN	—	108	111	111	112	117
A 2	A14	111111	800 to 970	7Hz (7/s)	EVIAN	—	103	112	112	112	120
A 3	A14	111110	800 to 970	1Hz (1/s)	EVIAN	—	105	112	112	112	120
A 4	A9	111100	2850	S steady	EVIAN	—	122	106	106	109	109
A 5	A4	111011	2400 to 2850	7Hz	EVIAN	—	119	103	103	103	109
A 6	A4	111010	2400 to 2850	1Hz	EVIAN	—	121	105	105	105	110
A 7	A14	111001	500 to 1200	3s sweep, 0.5 s silence, then repeat (rep)	Slow Whoop Netherlands	—	115	111	112	112	119
A 8	A14	111000	1200 to 500	1Hz	Din /PFEER (PAPA)	—	115	111	112	112	119
A 9	A4	110111	2850 then 2400	2Hz (250ms-250ms)	EVIAN	—	121	108	108	108	112
A 10	A14	110110	970	0.5Hz (1s On/1s Off)	PFEER alert	—	71	108	108	108	117
A 11	A14	110101	970 then 800	1Hz (500ms-500ms)	EVIAN	—	106	109	109	109	116
A 12	A4	110100	2850	0.5Hz (1s On/1s Off)	EVIAN	—	89	107	107	107	109
A 13	A14	110011	970	0.8Hz (250ms On/1s Off)	AS P	—	35	108	108	108	107
A 14	A8	110010	970	S steady	PFEER - Toxic gas	—	104	109	109	111	115
A 15	A14	110001	440 then 554	100ms-400ms	France NFS 32 S 32-001	—	76	106	106	106	115
A 16	A14	110000	660	3.3Hz (150ms On/150ms Off)	Swedish (Air raid)	—	60	106	106	106	114
A 17	A14	101111	660	0.28Hz (1.8s On/1.8s Off)	Swedish (Local warning)	—	88	106	106	106	115
A 18	A14	101110	660	0.05Hz (6.5s On/13s Off)	Swedish (Pre-mess)	—	101	106	106	106	115
A 19	A1	101101	660	S steady	Swedish (All clear)	—	103	107	107	107	116
A 20	A19	101100	440 then 554	0.5Hz (1s On/1s Off)	Swedish (Turn out)	—	83	106	106	106	115
A 21	A4	101011	660	1Hz (500ms-500ms)	Swedish	—	66	106	106	106	115
A 22	A4	101010	2850	4Hz (150ms On/100ms Off)	Swedish	—	83	105	105	105	108
A 23	A14	101001	800 to 970	50Hz	Swedish	—	102	109	109	109	117
A 24	A4	101000	2400 to 2850	50Hz	Swedish	—	120	106	106	106	110
A 25	A14	100111	970	3 x 500ms pulses followed by 1.5s silence then repeat	ISO 8201/JUS Temporal	—	62	109	109	109	117
A 26	A4	100110	2850	3 x 500ms pulses followed by 1.5s silence then repeat	ISO 8201/JUS Temporal	—	64	107	107	107	109
A 27	A6	100101	4000	S steady	Swedish	—	109	101	101	101	105
A 28	A14	100100	970 then 800	2Hz (250ms-250ms)	Swedish	—	106	109	109	109	116
A 29	A14	100011	990 then 650	2Hz (250ms-250ms) (Symphoni tones)	Swedish	—	104	109	109	109	116
A 30	A14	100010	510 then 610	2Hz (250ms-250ms) (5 quashmi Micro tones)	Swedish	—	96	107	107	107	113
A 31	A14	100001	300 to 1200	1Hz	Swedish	—	84	110	110	110	118
A 32	A3	100000	Bell	S steady	Swedish	—	120	111	111	111	117
A 33	A14	111111	1000 then 2000	3 x 500ms pulses followed by 1.5s silence then repeat	Bell /US temporal	—	69	111	111	111	117
A 34	A4	111110	420	1Hz (500ms-500ms)	Singapore	—	112	107	107	107	115
A 35	A14	111101	500 to 1200	6 step ramped start pulsed @ 0.625S ON /0.625S OFF	Australian alert	—	46	108	108	108	116
A 36	A14	111100	1400 to 1600	Sweep 3:7:5s followed by 0.25s gap	Australian alert	—	91	109	109	109	117
A 37	A14	110111	500 to 1200	Sweep up 1s, sweep down 0.5s	NF C 48-265	—	122	108	108	108	116
A 38	A14	110110	500 to 1200	Sweep UP & DOWN over 3s	Siren	—	94	109	109	109	117
A 39	A14	110011	720	0.7s ON, 0.3OFF	German ind alarm	—	110	110	110	110	117
A 40	A14	110001	422 to 775	Sweep for 0.85s, 1s delay, repeat	NFPA Whoop	—	60	109	109	109	118
A 41	A3	101111	470	S steady	Horn (USA)	—	85	104	104	104	114
A 42	A3	101110	370	S steady	Air horn (USA)	—	76	104	104	104	113

UWAGA: Instalacja urządzenia musi być wykonana zgodnie z obowiązującymi przepisami prawa oraz wytycznymi dotyczącymi wartości zastosowanych napięć. Podłączenia obwodów elektrycznych może dokonać tylko i wyłącznie osoba posiadająca wymagane w tym zakresie uprawnienia do prac elektrycznych.

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