Hosiden Besson Ltd. Specification. 1 x 8 way terminal block.

Termination:

Operating Temperature: Case Material: Environment Category: IP Rating:*

Shallow Base IP45. Deep Base IP66. Units meets minimum requirements of IP21C Shallow Base & IP33C Deepbase in accordance with EN54-3

Screw terminals for 0.28mm²

24VDC (20VDC to 28VDC)

to 2.5mm² wire conductor

See Sound output table.

9VDC to 30VDC*

Synchronised start.

90mA @ 12VDC

40mA @ 24VDC

-15°C to +40°C

1/Sec

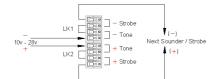
ABS.

Type A

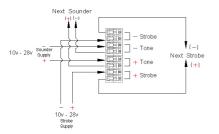
Note: Strobe not approved to EN 54-23.

Connection Details

Common Supply (Default Condition)



For independant supply remove LK1 & LK2



Hosiden Besson Ltd. Specification.

Termination:

EN54-3 Voltage Range: Operating Voltage Range: Tone Current Consumption: Tone Synchronisation: Flash Rate: Flash Current Consumption:

Operating Temperature: Case Material: Environment Category: IP Rating:*

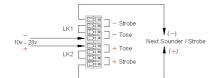
Screw terminals for 0.28mm² to 2.5mm² wire conductor 24VDC (20VDC to 28VDC) 9VDC to 30VDC* See Sound output table. Synchronised start. 1/Sec 90mA @ 12VDC 40mA @ 24VDC -15°C to +40°C ABS. Type A Shallow Base IP45. Deep Base IP66.

1 x 8 way terminal block.

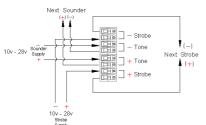
Units meets minimum requirements of IP21C Shallow Base & IP33C Deepbase in accordance with EN54-3 Note: Strobe not approved to EN 54-23.

Connection Details

Common Supply (Default Condition)



For independant supply remove LK1 & LK2



Banshee Excel Lite

Installation Details.

▲ Installation must be in accordance with relevant national wiring regulations or code for the intended application and voltage employed. To be carried out by a competent person. IP66 Deep Base Moulding (weatherproof).

•To maintain IP rating when using a Deep Base, use wall mounting bracket Part Number:

MM08728. Do not drill fixing holes in deep base. Use suitably rated 20mm cable glands to fit cables or conduit via side knock-outs. Fit 'O'-Ring seal between lens and base.

Non-IP66 Deep Base.

• Knock out the conduit/cable gland holes in side of deep base.

•Fit conduit or 20mm cable glands then screw the base to the mounting surface or BESA box. Shallow Base Moulding.

· Drill mounting holes in the bottom of Base for screw fixings.

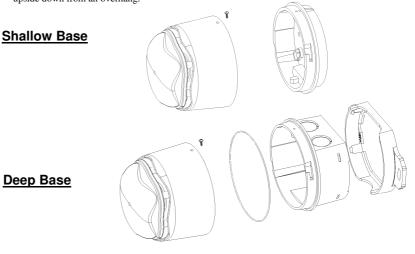
· Route cable through rear hole or side knock-outs.

· Screw the base to the mounting surface or BESA box.

All fixings.

·Connect unit as shown in connection details (Left). Note: If independent supplies are required for the sounder and the beacon elements, remove LK1 and LK2.

- ▲ Potential difference between Strobe & Tone Terminals not to be greater than 30Vdc.
- · Place the Excel Lite onto the base and turn clockwise to retain.
- ·To remove the Excel Lite turn unit counter-clockwise.
- •Where applicable fit the security screw through the hole in the side of the lens assembly.
- ·For optimum Ingress Protection performance the unit should be mounted either horizontally or upside down from an overhang.



Banshee Excel Lite

Installation Details.

▲ Installation must be in accordance with relevant national wiring regulations or code for the intended application and voltage employed. To be carried out by a competent person. IP66 Deep Base Moulding (weatherproof).

•To maintain IP rating when using a Deep Base, use wall mounting bracket Part Number:

MM08728. Do not drill fixing holes in deep base. Use suitably rated 20mm cable glands to fit cables or conduit via side knock-outs. Fit 'O'-Ring seal between lens and base.

Non-IP66 Deep Base.

Knock out the conduit/cable gland holes in side of deep base.

•Fit conduit or 20mm cable glands then screw the base to the mounting surface or BESA box. Shallow Base Moulding.

- · Drill mounting holes in the bottom of Base for screw fixings.
- · Route cable through rear hole or side knock-outs.
- · Screw the base to the mounting surface or BESA box.

All fixings.

·Connect unit as shown in connection details (Left). Note: If independent supplies are required for the sounder and the beacon elements, remove LK1 and LK2.

- ▲ Potential difference between Strobe & Tone Terminals not to be greater than 30Vdc.
- · Place the Excel Lite onto the base and turn clockwise to retain.
- ·To remove the Excel Lite turn unit counter-clockwise.
- ·Where applicable fit the security screw through the hole in the side of the lens assembly.
- · For optimum Ingress Protection performance the unit should be mounted either horizontally or upside down from an overhang.

Shallow Base

Deep Base

IS63 ISSUE F

Sound Output Table

1 800Hz to 950Hz swept at 120Hz 00000 Banshee Buzz LF 94 100 6 2 800Hz to 950Hz swept at 9Hz 10000 Banshee Tast Sweep LF 97 94 1000 6 3 800Hz to 950Hz swept at 9Hz 11000 Banshee Tast Sweep LF 94 1000 6 4 Continuous at 900Hz 11000 Banshee Sat Sweep LF 94 100 6 5 830Hz to 970Hz swept at 9Hz 00100 Banshee Sat Sweep LF 97 94 100 6 6 800Hz to 970Hz swept at 1Hz 10100 Continuous LF 94 99 6 7 Continuous at 950Hz 01100 Continuous LF 94 100 6 8 Intermittent at 950Hz 1 sec on 1 sec off 11100 Back Up Alarm LF 94 100 6 10 800Hz to 200Hz at 1Hz 01010 Adetima Sweep LF 94 100 6 11 Alternating 800Hz at 0.5 secs 10010 Medium Sweep LF 94 100 6 </th <th>No</th> <th rowspan="2">Sound Frequencies & Patterns</th> <th rowspan="2">Code 12345</th> <th rowspan="2">Description</th> <th rowspan="2">EN54-3 28Vdc see notes</th> <th colspan="2">Typ SPL@1m on axis</th> <th colspan="2">Typ Current mA</th>	No	Sound Frequencies & Patterns	Code 12345	Description	EN54-3 28Vdc see notes	Typ SPL@1m on axis		Typ Current mA	
2 00Hz to 950Hz swept at 9Hz 1000 Banshee Fast Sweep LF 97 94 100 6 3 800Hz to 950Hz swept at 9Hz 01000 Banshee Slow Sweep LF 94 100 6 4 Continuous at 900Hz 10000 Banshee Continuous LF 94 100 6 5 830Hz to 970Hz swept at 9Hz 00100 Banshee Continuous LF 94 100 6 6 800Hz to 970Hz swept at 1Hz 0100 Mcdum Sweep LF 97 94 100 6 7 Continuous at 950Hz 01100 Continuous LF 94 99 6 8 Intermittent at 950Hz 1 sec on, 1 sec off 11100 Back Up Alarm LF 93 99 6 10 800Hz to 1000Hz swept at 3Hz 01010 Alternate LF 94 100 6 11 Alternating Tones 800/950Hz at 3Hz 01010 Alternate LF 94 100 6 12 2400Hz to 2900Hz at 13Hz 01010 Alternate LF 94 100 6						12V	24V	12V	24V
3 800Hz to 950Hz swept at 3Hz 01000 Banshee Slow Sweep LF 94 100 6 4 Continuous at 90Hz 11000 Banshee Continuous LF 94 100 6 5 830Hz to 970Hz swept at 1Hz 00100 Banshee Fast Sweep LF (New) 93 100 6 6 800Hz to 970Hz swept at 1Hz 10100 Continuous LF 94 99 6 7 Continuous at 950Hz 0.0100 Continuous LF 94 99 6 8 Intermittent at 950Hz 1 sec on, 1 sec off 11100 Back Up Alarm LF 94 100 6 10 800Hz to 1000Hz as wept at 0.5 secs 10010 Alternatic LF 94 100 6 11 Alternating Tones 800/950Hz at 9Hz 01010 Banshee Buzz HF 102 109 16 12 2400Hz to 2900Hz at 19Hz 10110 Banshee Slow Sweep HF 103 110 17 14 2400Hz to 2900Hz at 9Hz 01110 Banshee Slow Sweep HF 103 109 19									12
4 Continuous at 900Hz 11000 Banshee Continuous LF 94 100 6 5 830Hz to 970Hz swept at 9Hz 00100 Medium Sweep LF (New) 93 100 6 6 800Hz to 970Hz swept at 1Hz 00100 Medium Sweep LF 97 94 100 6 7 Continuous at 950Hz 00100 Continuous LF 93 99 6 8 Intermittent at 950Hz 1 sec on, 1 sec off 11100 Back Up Alarm LF 93 99 6 9 Alternating StorkZu00Hz at 1Hz 00010 Alternate LF 94 100 6 10 800Hz to 1000Hz swept at 0.5 secs 10010 Medium Sweep LF 94 100 6 11 Alternating Tones 800/950Hz at 3Hz 01010 Banshee Buzz HF 102 109 16 12 2400Hz to 2900Hz at 12Hz 10110 Banshee Continuous Wege HF 103 110 17 14 2400Hz to 2900Hz at 3Hz 10110 Banshee Continuous HF 103 109 18					97			~	12
5 830Hz to 970Hz swept at 9Hz 00100 Banshee Fast Sweep LF (New) 93 100 6 6 800Hz to 970Hz swept at 1Hz 10100 Medium Sweep LF 97 94 100 6 7 Continuous at 950Hz 10100 Continuous LF 97 94 100 6 8 Intermittent at 950Hz 102 configure 01100 Back Up Alarm LF 93 99 6 9 Alternating 800Hz/100Hz at 1Hz 00010 Alternating Tones 800*950Hz at 3Hz 01010 Medium Sweep LF 94 100 6 10 Res 800*950Hz at 3Hz 01010 Medium Sweep LF 94 101 6 12 2400Hz to 2900Hz at 120Hz 10110 Banshee Slow Sweep HF 103 110 17 14 2400Hz to 2900Hz at 3Hz 01101 Banshee Slow Sweep HF 103 109 18 17 Continuous 2900Hz 1300Hz to sec off 00010 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/290 at 3H	-								12
6 800Hz to 970Hz swept at 1Hz 10100 Medium Sweep LF 97 94 100 6 7 Continuous at 950Hz 01100 Continuous LF 93 99 6 8 Internittent at 950Hz 1000 Back Up Alarm LF 93 99 6 9 Alternating 500Hz/1000Hz at 1Hz 00010 Alternate LF 94 100 6 10 800Hz to 1000Hz swept at 0.5 secs 10010 Alternate LF 94 100 6 11 Alternate JF 94 101 6 101 1010 Banshee Suce PLF 94 100 6 12 2400Hz to 2900Hz at 3Hz 0110 Banshee Buzz HF 103 110 17 14 2400Hz to 2900Hz at 3Hz 10110 Banshee Continuous HF 103 109 19 16 2450Hz to 3100Hz swept at 9Hz 1011 Banshee Continuous HF 103 109 18 17 Intermittent at 2900Hz at 3Hz 10110 Banshee Continuous HF 103			11000					-	12
7 Continuous at 950Hz 01100 Continuous LF 94 99 6 8 Intermittent at 950Hz 1 sec on, 1 sec off 11100 Back Up Alarm LF 93 99 6 9 Alternating 800Hz/1000Hz at 1Hz 00010 Alternate LF 94 100 6 10 800Hz to 1000Hz at 91Dz 0050Hz at 3Hz 01010 Medium Sweep LF 94 100 6 11 Alternating Tones 800/#50Hz at 3Hz 01010 Alternate LF 94 101 6 12 2400Hz to 2900Hz at 120Hz 11010 Banshee Razt Sweep HF 103 110 17 14 2400Hz to 2900Hz at 9Hz 0110 Banshee Continuous HF 103 110 17 15 Continuous 2900Hz 01110 Banshee Fast Sweep HF 103 109 19 16 2450Hz to 3100Hz swept at 9Hz 0110 Banshee Fast Sweep HF 103 109 18 17 Intermittent at 290Hz 1 sec on, 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/2900 at 3Hz 10001 Di	5		00100	Banshee Fast Sweep LF (New)				-	12
8 Intermittent at 950Hz 1 sec on, 1 sec off 11100 Back Up Alarm LF 93 99 6 9 Alternating 800Hz/1000Hz at 1Hz 00010 Alternate LF 94 100 6 10 800Hz to 1000Hz swept at 0.5 secs 10010 Alternate LF 94 100 6 11 Alternating Tones 800/950Hz at 3Hz 0100 Alternate LF 94 101 6 12 2400Hz to 2900Hz at 120Hz 11010 Banshee Buzz HF 102 109 16 13 2400Hz to 2900Hz at 3Hz 00110 Banshee Fast Sweep HF 103 110 17 14 2400Hz to 2900Hz at 9Hz 10110 Banshee Slow Sweep HF 103 110 17 14 2450Hz to 3100Hz swept at 9Hz 11110 Banshee Fast Sweep HF 103 109 18 17 Intermating Tones 2400/2900 at 3Hz 11110 Banshee Fast Sweep HF 103 109 18 18 Alternating Tones 2400/2900 at 3Hz 10101 Alternate HF 103 109 18 </td <td>6</td> <td></td> <td>10100</td> <td></td> <td>97</td> <td>-</td> <td></td> <td>6</td> <td>12</td>	6		10100		97	-		6	12
9 Alternating 800Hz/1000Hz at 1Hz 00010 Alternate LF 94 100 6 10 800Hz to 1000Hz swept at 0.5 secs 10010 Medium Sweep LF 94 100 6 11 Alternating Tones 800/950Hz at 3Hz 01010 Alternate LF 94 101 6 12 2400Hz to 2900Hz at 120Hz 11010 Banshee Buzz HF 102 109 16 13 2400Hz to 2900Hz at 9Hz 00110 Banshee Slow Sweep HF 103 110 17 14 2400Hz to 2900Hz at 9Hz 01110 Banshee Continuous HF 103 109 19 16 2450Hz to 300Hz swept at 9Hz 01110 Banshee Continuous HF 103 109 18 17 Intermittent at 2900Hz it sec on, 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/290 at 3Hz 1000 Din Tone (DK) 97 93 100 5 19 500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 20 1200HZ barbing to 50Hz over 1 se	7	Continuous at 950Hz	01100	Continuous LF		94		6	13
10 800Hz to 1000Hz swept at 0.5 secs 10010 Medium Sweep LF 94 100 6 11 Alternating Tones 800/950Hz at 3Hz 01010 Alternate LF 94 101 6 12 2400Hz to 2900Hz at 31Hz 11010 Banshee Buzz HF 102 109 16 13 2400Hz to 2900Hz at 9Hz 00110 Banshee Fast Sweep HF 103 110 17 14 2400Hz to 2900Hz at 3Hz 0110 Banshee Slow Sweep HF 103 109 19 16 2450Hz to 3100Hz swept at 9Hz 01110 Banshee Continuous HF 103 109 18 17 Intermittent at 2900Hz 1 sec on, 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 4400/290 at 3Hz 10001 Alternate HF 104 110 17 19 500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 20 1200Hz falling to 50Hz over 1 sec, silence 10mS 11001 Din Tone (DK)	8		11100			93	99	6	14
11 Alternating Tones 800/950Hz at 3Hz 01010 Alternate LF 94 101 6 12 2400Hz to 2900Hz at 120Hz 11010 Banshee Buzz HF 1102 109 16 13 2400Hz to 2900Hz at 120Hz 00110 Banshee Buzz HF 103 110 17 14 2400Hz to 2900Hz at 3Hz 01110 Banshee Slow Sweep HF 103 110 17 15 Continuous 2900Hz 01110 Banshee Continuous HF 103 109 19 16 2450Hz to 3100Hz swept at 9Hz 01110 Banshee Fast Sweep HF (New) 103 109 18 17 Intermittent at 2900Hz 1 sec on, 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/2900 at 3Hz 10001 Alternate HF 104 110 17 19 500Hz rising to 1200Hz Ar 3.5 sec, silence 0.5 sec 0101 Din Tone (DK) 97 93 100 5 20 1200Hz falling to 500Hz row 1 sec, silence 10mS 11001 Australian Alert Signal	9	Alternating 800Hz/1000Hz at 1Hz	00010	Alternate LF		94	100	6	13
12 2400Hz to 2900Hz at 120Hz 11010 Banshee Buzz HF 102 109 16 13 2400Hz to 2900Hz at 9Hz 00110 Banshee Fast Sweep HF 103 110 17 14 2400Hz to 2900Hz at 3Hz 10110 Banshee Slow Sweep HF 103 110 17 15 Continuous Sy00Hz 9110 Banshee Slow Sweep HF 103 109 19 16 2450Hz to 3100Hz swept at 9Hz 01110 Banshee Slow Sweep HF 103 109 18 17 Intermittent at 2900Hz i sec on, 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/2900 at 3Hz 10001 Slow Whoop 98 95 101 6 20 1200Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 21 150Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 94 3 22 420Hz repeating 0.425 sec onf 0.55 sec off 01010 Australian Alert Signal 89 94 3 23 500H	10	800Hz to 1000Hz swept at 0.5 secs	10010	Medium Sweep LF		94	100	6	12
13 2400Hz to 2900Hz at 9Hz 101 102 103 101 117 14 2400Hz to 2900Hz at 9Hz 1010 Banshee Fast Sweep HF 103 110 17 14 2400Hz to 2900Hz at 9Hz 1010 Banshee Slow Sweep HF 103 110 17 15 Continuous 2900Hz at 9Hz 0110 Banshee Continuous HF 103 109 19 16 2450Hz to 3100Hz swept at 9Hz 11110 Banshee Continuous HF 103 109 18 17 Intermittent at 2900Hz 1 sec on, 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/2900 at 3Hz 10001 Alternate HF 104 110 17 19 500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 20 1200Hz falling to 500Hz over 1 sec, silence 10mS 11001 Din Tone 0Ky 97 93 100 5 21 554Hz for 100mS and 440Hz for 400mS 00101 Australian Alert Sig	11	Alternating Tones 800/950Hz at 3Hz	01010	Alternate LF		94	101	6	12
14 2400Hz to 2900Hz at 3Hz 1010 Banshee Slow Sweep HF 103 110 117 15 Continuous 2900Hz 01110 Banshee Continuous HF 103 109 19 16 2450Hz to 3100Hz swept at 9Hz 01110 Banshee Continuous HF 103 109 19 17 Intermittent at 290Hz 1 sec on, 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/2900 at 3Hz 10001 Alternate HF 104 110 17 19 500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 20 1200Hz falling to 500Hz over 1 sec, silence 10mS 11001 Din Tone (DK) 97 93 100 5 21 554Hz for 100mS and 440Hz for 400mS 00101 French Fire Sounder 93 90 96 4 22 420Hz repeating 0.625 sec on 0.5 sec off 10101 Australian Alert Signal 89 94 3 23 500Hz to 208Hz so con 0.5 sec off for	12	2400Hz to 2900Hz at 120Hz	11010	Banshee Buzz HF		102	109	16	35
15 Continuous 2900Hz 01110 Banshee Continuous HF 103 109 19 16 2450Hz to 3100Hz swept at 9Hz 11110 Banshee Fast Sweep HF (New) 103 109 18 17 Intermittent at 2900Hz 1 sec on 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/2900 at 3Hz 10001 Alternate HF 104 110 17 19 500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 20 1200Hz rising to 1200Hz over 1 sec, silence 10mS 11001 Din Tone (DK) 97 93 100 5 21 554Hz for 100mS and 440Hz for 400mS 00101 French Fire Sounder 93 90 96 4 22 420Hz repeating 0.625 sec on 0.625 sec off 10101 Australian Alert Signal 89 94 3 23 500Hz to 1200Hz sweeping, 3.75 secs on 0.25 secs off 01101 Australian Evacuation Signal 95 101 6 24	13	2400Hz to 2900Hz at 9Hz	00110	Banshee Fast Sweep HF		103	110	17	35
16 2450Hz to 3100Hz swept at 9Hz 11110 Banshee Fast Sweep HF (New) 103 109 18 17 Intermittent at 2900Hz 1 sec onf. 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/2900 at 3Hz 10001 Alternate HF 104 110 17 19 500Hz rising to 1200Hz over 1 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 20 1200Hz over 1 sec, silence 10mS 11001 Din Tone (DK) 97 93 100 5 21 554Hz for 100mS and 440Hz for 400mS 00101 French Fire Sounder 93 90 96 4 22 420Hz repeating 0.625 sec onf 0101 Australian Alert Signal 89 94 3 23 500Hz to 120Hz verse off for 3 phases, silence for 1.5 secs 11101 US Temporal Tone LF 93 99 5 24 107 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 00011 Swedish Tone (All Clear) 91 97 5 25	14	2400Hz to 2900Hz at 3Hz	10110	Banshee Slow Sweep HF		103	110	17	35
17 Intermittent at 2900Hz 1 sec off 00001 Back Up Alarm HF 103 109 18 18 Alternating Tones 2400/290 at 3Hz 1001 Alternate HF 104 110 17 19 500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 20 1200Hz rising to 1200Hz over 1 sec, silence 10mS 11001 Din Tone (DK) 97 93 100 5 21 554Hz for 100mS and 440Hz for 400mS 00101 French Fire Sounder 93 90 96 4 22 420Hz repeating 0.625 sec off 0101 Australian Alert Signal 89 94 3 23 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 sec off 01101 Australian Alert Signal 95 101 6 24 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 11101 US Temporal Tone LF 93 99 5 25 2900Hz for 0.5 sec on, 0.5 sec off or 3 phases, silence for 1.5 secs 0011 Swedish Tone (Fire) 90 96 3	15	Continuous 2900Hz	01110	Banshee Continuous HF		103	109	19	39
18 Alternating Tones 2400/2900 at 3Hz 10001 Alternate HF 104 110 17 19 500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 01001 Slow Whoop 98 95 101 6 20 1200Hz falling to 500Hz over 1 sec, silence 10mS 1100 Din Tone (DK) 97 93 100 5 21 554Hz for 100mS and 440Hz for 400mS 00101 French Fire Sounder 93 90 96 4 22 420Hz repeating 0.625 sec on, 0.625 sec off 10101 Australian Alert Signal 89 94 3 23 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off 01101 Australian Evacuation Signal 95 101 6 24 950Hz to 10.5 sec onf for 3 phases, silence for 1.5 secs 11001 US Temporal Tone HF 103 109 13 26 Intermittent 660Hz 150mS on, 150mS off 01011 Swedish Tone (All Clear) 91 97 5 27 Continuous 660Hz 01011 Swedish Tone (All Clear) 91 97 5	16	2450Hz to 3100Hz swept at 9Hz	11110	Banshee Fast Sweep HF (New)		103	109	18	36
19 500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec 0101 Slow Whoop 98 95 101 6 20 1200Hz falling to 500Hz over 1 sec, silence 10mS 11001 Din Tone (DK) 97 93 100 5 21 554Hz for 100mS and 440Hz for 400mS 0010 French Fire Sounder 93 90 96 4 22 420Hz repeating 0.425 sec on 0.425 sec off 10101 Australian Alert Signal 89 94 3 23 500Hz to 1200Hz over 1.5 sec on 0.425 sec off 01101 Australian Alert Signal 95 101 6 24 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 11101 US Temporal Tone LF 93 99 5 26 Intermittent 60Hz 150mS on, 150mS off 10011 Swedish Tone (Fire) 90 96 3 27 Continuous 660Hz 0101 Swedish Tone (All Clear) 91 97 5 28 Intermittent 670Hz 500mS on, 500mS off 10011 ISwedish Tone (Fire) 90 96 5 <td< td=""><td>17</td><td>Intermittent at 2900Hz 1 sec on, 1 sec off</td><td>00001</td><td>Back Up Alarm HF</td><td></td><td>103</td><td>109</td><td>18</td><td>37</td></td<>	17	Intermittent at 2900Hz 1 sec on, 1 sec off	00001	Back Up Alarm HF		103	109	18	37
20 1200Hz falling to 500Hz over 1 sec, silence 10mS 11001 Din Tone (DK) 97 93 100 5 21 554Hz for 100mS and 440Hz for 400mS 00101 French Fire Sounder 93 90 96 4 22 420Hz repeating 0.625 sec onf 10101 Australian Alert Signal 89 94 3 23 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 sec off 01101 Australian Evacuation Signal 95 101 6 24 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 11101 US Temporal Tone LF 93 99 5 25 2900Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 0011 US Temporal Tone LF 93 99 5 26 Intermittent 640Hz 150mS on, 150mS off 10011 Swedish Tone (Fire) 90 96 3 27 Continuous 660Hz 000mS off 11011 ISO8201 LF 90 96 5 28 Intermittent 970Hz 500mS on, 500mS off 0111 Swedish Tone (All Clear) 91 97 5 <td>18</td> <td>Alternating Tones 2400/2900 at 3Hz</td> <td>10001</td> <td>Alternate HF</td> <td></td> <td>104</td> <td>110</td> <td>17</td> <td>36</td>	18	Alternating Tones 2400/2900 at 3Hz	10001	Alternate HF		104	110	17	36
21 554Hz for 100mS and 440Hz for 400mS 00101 French Fire Sounder 93 90 96 4 22 420Hz repeating 0.625 sec off 1010 Australian Alert Signal 89 94 3 23 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off 01101 Australian Alert Signal 89 94 3 24 950Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off 01101 Australian Evacuation Signal 95 101 6 24 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 11101 US Temporal Tone LF 93 99 5 25 2900Hz for 0.5 sec off for 3 phases, silence for 1.5 secs 00011 US Temporal Tone LF 103 109 13 26 Intermittent 660Hz 150mS off 10011 Swedish Tone (All Clear) 91 97 5 28 Intermittent 970Hz 500mS on, 500mS off 11011 ISO8201 LF 90 96 5 29 Intermittent 970Hz 500mS on, 500mS off 0111 ISO8201 LF 90 96 5 29	19	500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec	01001	Slow Whoop	98	95	101	6	12
22 420Hz repeating 0.625 sec on, 0.625 sec off 1010 Australian Alert Signal 89 94 3 23 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off 01101 Australian Alert Signal 95 101 6 24 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 11101 US Temporal Tone LF 93 99 5 25 2900Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 00011 US Temporal Tone HF 103 109 13 26 Intermittent 660Hz 150mS on, 150mS off 10011 Swedish Tone (Fire) 90 96 3 27 Continuous 660Hz 01011 Swedish Tone (All Clear) 91 97 5 28 Intermittent 970Hz 500mS on, 500mS off 11011 ISO8201 LF 90 96 5 29 Intermittent 2900Hz 500mS on, 500mS off 00111 ISO8201 HF 103 109 13 30 Y Odel 800Hz/1000Hz, 0.25see 10111 BT Banshee (FP1063,1) 94 40 6 31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	20	1200Hz falling to 500Hz over 1 sec, silence 10mS	11001	Din Tone (DK)	97	93	100	5	10
23 500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off 01101 Australian Evacuation Signal 95 101 6 24 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 11101 US Temporal Tone LF 93 99 5 25 2900Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 1101 US Temporal Tone LF 93 99 5 26 Intermittent 60Hz 150mS on, 150mS off 10011 Swedish Tone (Fire) 90 96 3 27 Continuous 660Hz 50mS on, 500mS off 01011 Swedish Tone (All Clear) 91 97 5 28 Intermittent 670Hz 500mS on, 500mS off 01011 IS08201 LF 90 96 5 29 Intermittent 970Hz 500mS on, 500mS off 00111 IS08201 LF 90 96 5 29 Intermittent 970Hz 500mS on, 500mS off 00111 IS08201 LF 90 96 5 29 Intermittent 970Hz 500mS on, 500mS off 00111 IS08201 HF 103 109 13 30 Yodel 8	21	554Hz for 100mS and 440Hz for 400mS	00101	French Fire Sounder	93	90	96	4	7
24 950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 11101 US Temporal Tone LF 93 99 5 25 2900Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs 00011 US Temporal Tone LF 103 109 13 26 Intermittent 640Hz 150mS on, 150mS off 10011 Swedish Tone (Fire) 90 96 3 27 Continuous 660Hz 01011 Swedish Tone (All Clear) 91 97 5 28 Intermittent 970Hz 500mS on, 500mS off 11011 ISO8201 LF 90 96 5 29 Intermittent 970Hz 500mS on, 500mS off 0111 ISO8201 LF 90 96 5 28 Intermittent 970Hz 500mS on, 000MS off 0111 ISO8201 LF 90 96 5 29 Intermittent 200Hz 100Hz, 0.25sec 10111 ISO8201 HF 103 109 13 30 Yodel 800Hz/100Hz, 0.25sec 10111 BT Banshee (FP1063,1) 94 100 6 31 Continuous 1000Hz 00111 BT Banshee (FP1063,1)	22	420Hz repeating 0.625 sec on, 0.625 sec off	10101	Australian Alert Signal		89	94	3	6
25 2900Hz for 0.5sec on, 0.5sec off for 3 phases, silence for 1.5 secs 00011 US Temporal Tone HF 103 109 13 26 Intermittent 660Hz 150mS on, 150mS off 10011 Swedish Tone (Fire) 90 96 3 27 Continuous 660Hz 01011 Swedish Tone (All Clear) 91 97 5 28 Intermittent 970Hz 500mS on, 500mS off 11011 ISO8201 LF 90 96 5 29 Intermittent 2900Hz 500mS on, 500mS off 00111 ISO8201 LF 90 96 5 29 Intermittent 2900Hz 500mS on, 500mS off 00111 ISO8201 HF 103 109 13 30 Yodel 800Hz/1000Hz, 0.25sec 10111 BT Banshee (FP1063,1) 94 100 6 31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	23	500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off	01101	Australian Evacuation Signal		95	101	6	12
26 Intermittent 660Hz 150mS on, 150mS off 10011 Swedish Tone (Fire) 90 96 3 27 Continuous 660Hz 01011 Swedish Tone (All Clear) 91 97 5 28 Intermittent 970Hz 500mS on, 500mS off 11011 ISO8201 LF 90 96 5 29 Intermittent 970Hz 500mS on, 500mS off 00111 ISO8201 HF 103 109 13 30 Yodel 800Hz/1000Hz, 0.25sec 10111 BT Banshee (FP1063,1) 94 100 6 31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	24	950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs	11101	US Temporal Tone LF		93	99	5	10
27 Continuous 660Hz 01011 Swedish Tone (All Clear) 91 97 5 28 Intermittent 970Hz 500mS on, 500mS off 11011 ISO8201 LF 90 96 5 29 Intermittent 970Hz 500mS on, 500mS off 00111 ISO8201 LF 90 96 5 30 Yodel 800Hz/1000Hz, 0.25sec 10111 IST Banshee (FP1063,1) 94 100 6 31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	25	2900Hz for 0.5sec on, 0.5sec off for 3 phases, silence for 1.5 secs	00011	US Temporal Tone HF		103	109	13	27
28 Intermittent 970Hz 500mS on, 500mS off 11011 ISO8201 LF 90 96 5 29 Intermittent 2900Hz 500mS on, 500mS off 00111 ISO8201 HF 103 109 13 30 Yodel 800Hz/1000Hz, 0.25sec 10111 BT Banshee (FP1063,1) 94 100 6 31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	26	Intermittent 660Hz 150mS on, 150mS off	10011	Swedish Tone (Fire)		90	96	3	6
29 Intermittent 2900Hz 500mS on, 500mS off 00111 ISO8201 HF 103 109 13 30 Yodel 800Hz/1000Hz, 0.25sec 10111 BT Banshee (FP1063,1) 94 100 6 31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	27	Continuous 660Hz	01011	Swedish Tone (All Clear)		91	97	5	9
29 Intermittent 2900Hz 500mS on, 500mS off 00111 ISO8201 HF 103 109 13 30 Yodel 800Hz/1000Hz, 0.25sec 10111 BT Banshee (FP1063,1) 94 100 6 31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	28	Intermittent 970Hz 500mS on, 500mS off	11011	ISO8201 LF		90	96	5	10
31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	29	Intermittent 2900Hz 500mS on, 500mS off	00111	ISO8201 HF		103	109	13	27
31 Continuous 1000Hz 01111 BT Banshee (FP1063,1) 88 94 6	30	Yodel 800Hz/1000Hz, 0.25sec	10111	BT Banshee (FP1063,1)		94	100	6	12
	31	Continuous 1000Hz	01111	BT Banshee (FP1063,1)		88	94	6	14
32 Bell Tone 94 99 12	32	Bell Tone	11111	Bell Tone		94	99	12	25

Volume control providing up to 20dB attenuation. All Frequencies are nominal.
Column EN54-3 shows tones approved under the Construction Product Regulation.
Specifications sl⁴ *² with have not been verified to be EN54-3 compliant.
EN54-3 output shown is the minimum expected SPL at the loudest point around the EN54-3 defined sounder axis when volume is set to maximum on shallow base.

Polar diagram information is available in the technical manual 9001099MD available on request.



Sound Output Table

No	Sound Frequencies & Patterns	Code 12345	Description	EN54-3 28Vdc	Typ SPL@1m on axis		Typ Current mA	
				see notes	12V	24V	12V	24V
1	800Hz to 950Hz swept at 120Hz	00000	Banshee Buzz LF		94	100	6	12
2	800Hz to 950Hz swept at 9Hz	10000	Banshee Fast Sweep LF	97	94	100	6	12
3	800Hz to 950Hz swept at 3Hz	01000	Banshee Slow Sweep LF		94	100	6	12
4	Continuous at 900Hz	11000	Banshee Continuous LF		94	100	6	12
5	830Hz to 970Hz swept at 9Hz	00100	Banshee Fast Sweep LF (New)		93	100	6	12
6	800Hz to 970Hz swept at 1Hz	10100	Medium Sweep LF	97	94	100	6	12
7	Continuous at 950Hz	01100	Continuous LF		94	99	6	13
8	Intermittent at 950Hz 1 sec on, 1 sec off	11100	Back Up Alarm LF		93	99	6	14
9	Alternating 800Hz/1000Hz at 1Hz	00010	Alternate LF		94	100	6	13
10	800Hz to 1000Hz swept at 0.5 secs	10010	Medium Sweep LF		94	100	6	12
11	Alternating Tones 800/950Hz at 3Hz	01010	Alternate LF		94	101	6	12
12	2400Hz to 2900Hz at 120Hz	11010	Banshee Buzz HF		102	109	16	35
13	2400Hz to 2900Hz at 9Hz	00110	Banshee Fast Sweep HF		103	110	17	35
14	2400Hz to 2900Hz at 3Hz	10110	Banshee Slow Sweep HF		103	110	17	35
15	Continuous 2900Hz	01110	Banshee Continuous HF		103	109	19	39
16	2450Hz to 3100Hz swept at 9Hz	11110	Banshee Fast Sweep HF (New)		103	109	18	36
17	Intermittent at 2900Hz 1 sec on, 1 sec off	00001	Back Up Alarm HF		103	109	18	37
18	Alternating Tones 2400/2900 at 3Hz	10001	Alternate HF		104	110	17	36
19	500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec	01001	Slow Whoop	98	95	101	6	12
20	1200Hz falling to 500Hz over 1 sec, silence 10mS	11001	Din Tone (DK)	97	93	100	5	10
21	554Hz for 100mS and 440Hz for 400mS	00101	French Fire Sounder	93	90	96	4	7
22	420Hz repeating 0.625 sec on, 0.625 sec off	10101	Australian Alert Signal		89	94	3	6
23	500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off	01101	Australian Evacuation Signal		95	101	6	12
24	950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 secs	11101	US Temporal Tone LF		93	99	5	10
25	2900Hz for 0.5sec on, 0.5sec off for 3 phases, silence for 1.5 secs	00011	US Temporal Tone HF		103	109	13	27
26	Intermittent 660Hz 150mS on, 150mS off	10011	Swedish Tone (Fire)	1	90	96	3	6
27	Continuous 660Hz	01011	Swedish Tone (All Clear)	1	91	97	5	9
28	Intermittent 970Hz 500mS on, 500mS off	11011	ISO8201 LF		90	96	5	10
29	Intermittent 2900Hz 500mS on, 500mS off	00111	ISO8201 HF	1	103	109	13	27
30	Yodel 800Hz/1000Hz, 0.25sec	10111	BT Banshee (FP1063,1)	1	94	100	6	12
31	Continuous 1000Hz	01111	BT Banshee (FP1063,1)		88	94	6	14
32	Bell Tone	11111	Bell Tone	1	94	99	12	25

Volume control providing up to 20dB attenuation. All Frequencies are nominal.
Column EN54-3 shows tones approved under the Construction Product Regulation.
Specifications sl⁴ * ¹ with have not been verified to be EN54-3 compliant.

EN54-3 output shown is the minimum expected SPL at the loudest point around the EN54-3 defined sounder axis when volume is set to maximum on shallow base.
Polar diagram information is available in the technical manual 9001099MD available on request.







