



BANSHEE EXCEL IS28 MK6 AUDIBLE WARNING DEVICE



The Banshee Excel IS28 MK6 is the latest in the long line of Industry Standard IS28 units for use in potentially explosive atmospheres.

The MK6 version utilises the popular Banshee Excel styling for a sleek and modern unit.

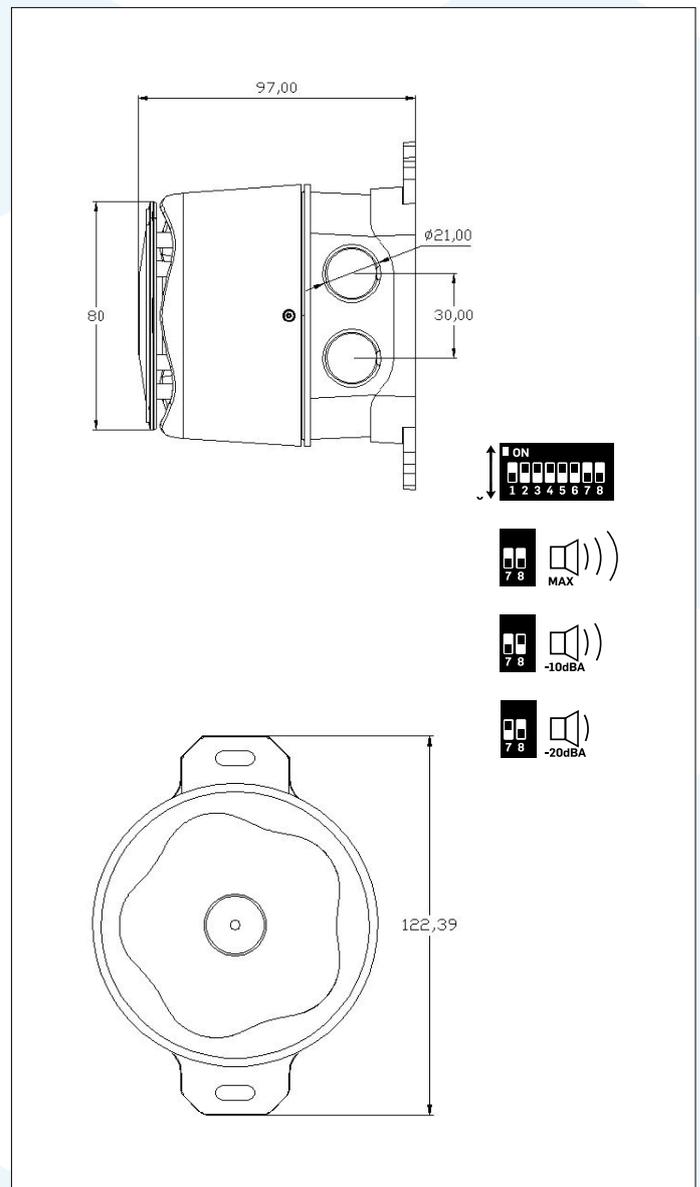
The 32 tones and choice of 3 volume levels, give the user ultimate sound flexibility.

- IECEx approval cert. No. IECEx ITS17.0011X
- ATEX approval cert. No. ITS17ATEX201739X
- Temperature classification T5 (+100 °C)
- IP66 Rated
- 32 Selectable tones
- Choice of 3 volume levels
- Colour: Grey case with a black base and black fixing bracket

Electrical Supply

The IS28 mk6 must be powered through approved intrinsically safe barrier or galvanic isolator, and may be operated with up to 2 units in parallel, but the barrier will restrict the current flow and hence the sound output.

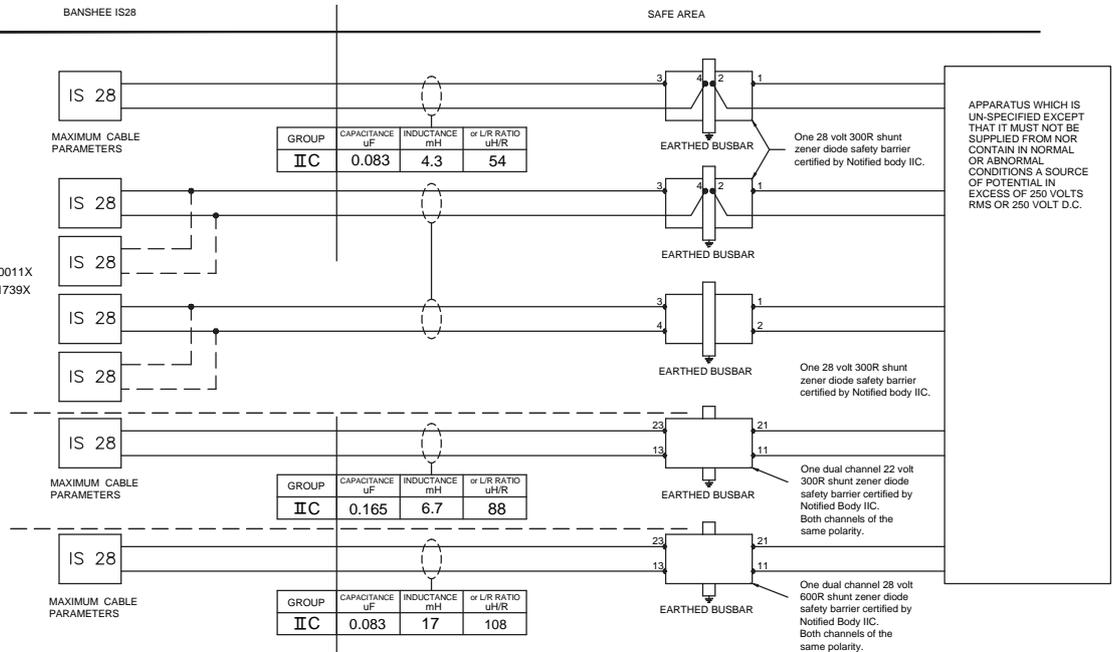
If dual-channel barriers are used, then only one IS28 mk6 per barrier can be accommodated.





BANSHEE EXCEL IS28 MK6 AUDIBLE WARNING DEVICE

- The circuit in the hazardous area must be capable of withstanding an A.C. test voltage of 500 volts RMS to earth or frame of apparatus.
- Cable parameters are for group IIC. Values for groups IIB and IIA are 3 and 8 times respectively those for group IIC.
- IS28 Certificate Numbers :
IECEX Certificate Number: IECEX ITS 17.0011X
ATEX Certificate Number: ITS17ATEX201739X



SOUND OUTPUT LEVELS

No.	Sound Frequencies & Patterns	Code 12345	Description	Typ SPL@1m on axis dBA	Typ Current mA
1	800Hz to 950Hz swept at 120Hz	0 0 0 0 0	Banshee Buzz LF	89	12
2	800Hz to 950Hz swept at 9Hz	1 0 0 0 0	Banshee Fast Sweep LF	89	12
3	800Hz to 950Hz swept at 3Hz	0 1 0 0 0	Banshee Slow Sweep LF	89	12
4	Continuous at 900Hz	1 1 0 0 0	Banshee Continuous LF	90	12
5	830Hz to 970Hz swept at 9Hz	0 0 1 0 0	Banshee Fast Sweep LF (New)	90	12
6	800Hz to 970Hz swept at 1Hz	1 0 1 0 0	Medium Sweep LF	90	12
7	Continuous at 950Hz	0 1 1 0 0	Continuous LF	89	12
8	Intermittent at 950Hz 1 sec on, 1 sec off	1 1 1 0 0	Back Up Alarm LF	89	12
9	Alternating 800Hz/1000Hz at 1Hz	0 0 0 1 0	Alternate LF	88	12
10	800Hz/1000Hz swept at 0.5 sec	1 0 0 1 0	Medium Sweep LF	90	12
11	Alternating tones 800/950Hz at 3Hz	0 0 1 0 1	Alternate LF	89	12
12	2400Hz to 2900Hz at 120Hz	1 1 0 1 0	Banshee Buzz HF	97	14
13	2400Hz to 2900Hz at 9Hz	0 0 1 1 0	Banshee Fast Sweep HF	98	14
14	2400Hz to 2900Hz at 3Hz	1 0 1 1 0	Banshee Slow Sweep HF	98	14
15	Continuous 2900Hz	0 1 1 1 0	Banshee Continuous HF	97	14
16	2450Hz to 3100Hz swept at 9Hz	1 1 1 1 0	Banshee Fast Sweep HF (New)	97	14
17	Intermittent at 2900Hz 1 sec on, 1 sec off	0 0 0 0 1	Backup Alarm HF	97	14
18	Alternating Tones 2400/2900Hz at 3Hz	1 0 0 0 1	Alternate HF	97	15
19	500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec, repeat	0 1 0 0 1	Slow Whoop	90	12
20	1200Hz falling to 500Hz over 1 sec, silence 10mS	1 1 0 0 1	Din Tone (DK)	89	12
21	554Hz for 100mS and 440Hz for 400mS	0 0 1 0 1	French Fire Sounder	86	11
22	420Hz repeating 0.625 sec on, 0.625 sec off	1 0 1 0 1	Australian Alert Signal	82	11
23	500Hz to 1200Hz sweeping, 3.75 sec on, 0.25 sec off	0 1 1 0 1	Australian Evacuation Signal	90	12
24	950Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 sec	1 1 1 0 1	US Temporal Tone LF	89	12
25	2900Hz for 0.5 sec on, 0.5 sec off for 3 phases, silence for 1.5 sec	0 0 0 1 1	US Temporal Tone HF	87	14
26	Intermittent 660Hz 150mS on, 150mS off	1 0 0 1 1	Swedish Tone (Fire)	80	11
27	Continuous 660Hz	0 1 0 1 1	Swedish Tone (All Clear)	81	11
28	Intermittent 970Hz 500mS on, 500mS off	1 1 0 1 1	ISO8201 LF	89	12
29	Intermittent 2900Hz 500mS on, 500mS off	0 0 1 1 1	ISO8201 HF	97	14
30	Yodel 800Hz/1000Hz, 0.25 sec	1 0 1 1 1	BT Banshee (FP1063.1)	88	12
31	Continuous 1000Hz	0 1 1 1 1	BT Banshee (FP1063.1)	85	12
32	Bell Tone	1 1 1 1 1	Bell Tone	90	11

Typical SPL and current consumptions when supplied from 24VDC via a 28 volt 300 Ω barrier.

Every care has been taken in the preparation of this product release but no liability whatsoever can be accepted for the use of the information contained therein.

Hosiden Besson Ltd reserve the right to change or amend any design features in line with our policy of continuing development and improvement.