

# Product Data Sheet

## IS28 mk5 Banshee Audible Warning Device

(ATEX 27151X)

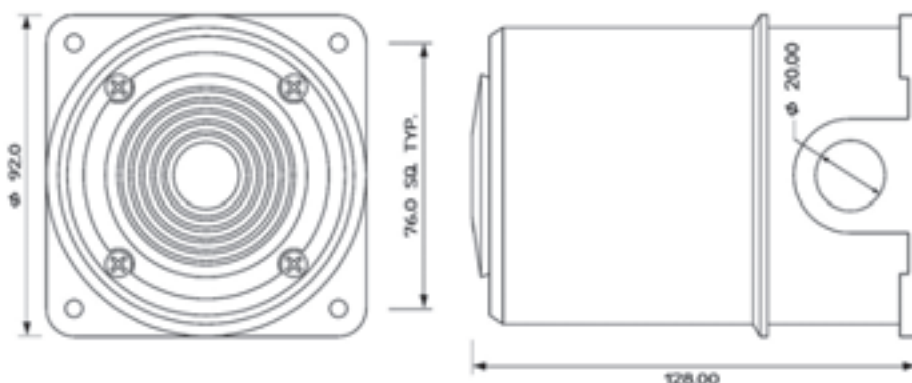


II 1GD

Ex ia IIC T5 Ga

Ex ia IIIC T100°C Da IP66

The IS28 mk 5 is the industry standard for sounders used in hazardous gas and dust environments. This traditional high profile Banshee™ with 32 tones for ultimate flexibility.



- Banshee IS28 Intrinsically safe

- ATEX approved cert. No: ITS10 ATEX 27151X

- IECEx approval cert. No: IECEx ITS10.0050X

- Temperature rated T5 (+100°C)

- IP66 rated

- 32 selectable sounds

- Choice of 3 volume levels

Product Order No: **8655000**



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# IS28 mk5 Banshee

## Audible Warning Device

### product data sheet



#### Electrical Supply

The IS28 mk5 must be powered via a zener barrier or other safety isolation device, 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 mk5 per barrier can be accommodated.

Incoming wiring may be connected to heavy duty terminal block in base of IS28. The supply then taken via Red & Black leads to selected sound terminals on the sounder terminal block. Alternatively the incoming wiring can be connected directly to the sounder block.

#### DRAWING No. 81622

- 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 No ITS10ATEX27151X  
IECEx ITS10.0050X

**INTERTEK APPROVED DRAWING**  
**CERTIFICATE No. ITS10ATEX27151X**  
**Date: 15/02/2011**  
**Name: L.Tomczyk**  
**Signed:**

*L.Tomczyk*



Hosiden Besson Ltd.

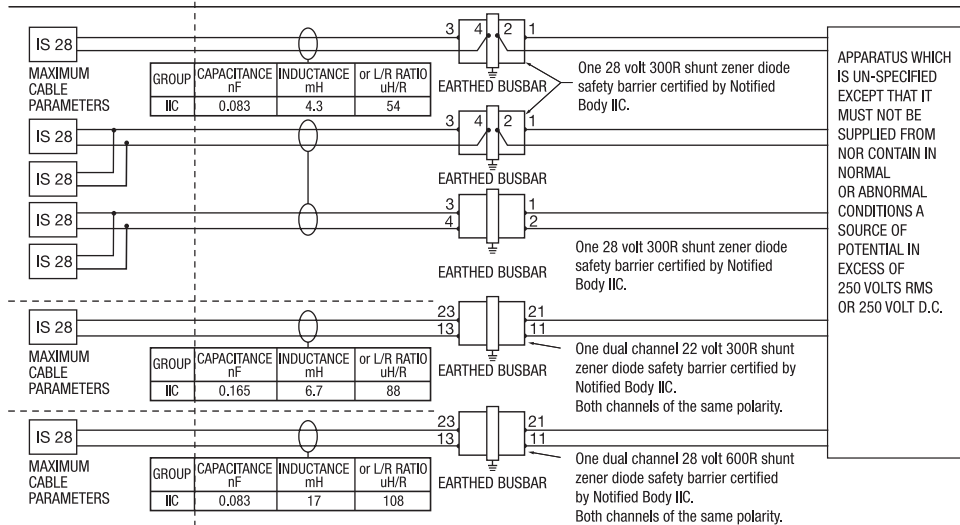
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HAZARDOUS AREA  
BANSHEE IS28

SAFE AREA

#### System Diagram



**INSTALLATION: Must meet National Installation Requirements (eg in the UK – B.S. 5345 PART 4 1977)**

No	Sound Frequencies & Patterns	Code 12345	Description	Typ SPL@1m on axis dBA	Typ Current mA
1	800Hz to 950Hz swept at 120Hz	00000	Banshee Buzz LF	92	11
2	800Hz to 950Hz swept at 9Hz	10000	Banshee Fast Sweep LF	92	11
3	800Hz to 950Hz swept at 3Hz	01000	Banshee Slow Sweep LF	92	11
4	Continuous at 900Hz	11000	Banshee Continuous LF	91	11
5	830Hz to 970Hz swept at 9Hz	00100	Banshee Fast Sweep LF (New)	92	11
6	800Hz to 970Hz swept at 1Hz	10100	Medium Sweep LF	92	11
7	Continuous at 950Hz	01100	Continuous LF	91	12
8	Intermittent at 950Hz 1 sec on, 1 sec off	11100	Back Up Alarm LF	91	11
9	Alternating 800Hz/1000Hz at 1Hz	00010	Alternate LF	91	12
10	800Hz to 1000Hz swept at 0.5 secs	10010	Medium Sweep LF	92	12
11	Alternating Tones 800/950Hz at 3Hz	01010	Alternate LF	91	12
12	2400Hz to 2900Hz at 120Hz	11010	Banshee Buzz HF	100	14
13	2400Hz to 2900Hz at 9Hz	00110	Banshee Fast Sweep HF	100	14
14	2400Hz to 2900Hz at 3Hz	10110	Banshee Slow Sweep HF	100	14
15	Continuous 2900Hz	01110	Banshee Continuous HF	99	15
16	2450Hz to 3100Hz swept at 9Hz	11110	Banshee Fast Sweep HF (New)	100	15
17	Intermittent at 2900Hz 1 sec on, 1 sec off	00001	Back Up Alarm HF	99	15
18	Alternating Tones 2400/2900 at 3Hz	10001	Alternate HF	99	14
19	500Hz rising to 1200Hz over 3.5 sec, silence 0.5 sec	01001	Slow Whoop	92	12
20	1200Hz falling to 500Hz over 1 sec, silence 10mS	11001	Din Tone (DK)	91	11
21	554Hz for 100mS and 440Hz for 400mS	00101	French Fire Sounder	86	10
22	420Hz repeating 0.625 sec on, 0.625 sec off	10101	Australian Alert Signal	84	10
23	500Hz to 1200Hz sweeping, 3.75 secs on, 0.25 secs off	01101	Australian Evacuation Signal	92	11
24	950Hz for 0.5sec on, 0.5 sec off for 3 phases, silence for 1.5 secs	11101	US Temporal Tone LF	91	11
25	2900Hz for 0.5sec on, 0.5 sec off for 3 phases, silence for 1.5 sec	00011	US Temporal Tone HF	99	13
26	Intermittent 660Hz 150mS on, 150mS off	10011	Swedish Tone (Fire)	80	10
27	Continuous 660Hz	01011	Swedish Tone (All Clear)	81	11
28	Intermittent 970Hz 500mS on, 500mS off	11011	ISO8201 LF	89	11
29	Intermittent 2900Hz 500mS on, 500mS off	00111	ISO8201 HF	99	13
30	Yodel 800Hz/1000Hz, 0.25sec	10111	BT Banshee (FP1063,1)	91	11
31	Continuous 1000Hz	01111	BT Banshee (FP1063,1)	88	12
32	Bell Tone	11111	Bell Tone	90	11

Typical SPL and Current consumption figures are when supplied from 24V DC via a 28Volt 300 ohm barrier.

