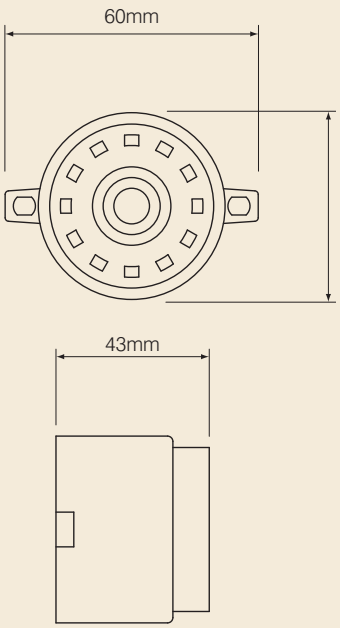


Specification

Voltage Range	9 - 28Vdc
Current	18mA
Sound Output	92dB
Tones	32
Temperature	- 25ºC to + 70ºC
Protection	IP65
Construction	ABS
Weight	0.9Kg
Colour	Red or white

Askari Flange

PROCESS SOUNDERS

The small size of the Askari flange allows it to be surface mounted in almost any location, either within or external to equipment housings. The high IP rating allows it to be used in most environments.

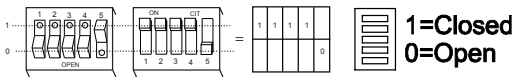
- SURFACE MOUNTING
- LOW CURRENT CONSUMPTION
- 32 TONES
- AUTOMATIC SYNCHRONISATION
- SECOND TONE FOR TWO STAGE ALARMS

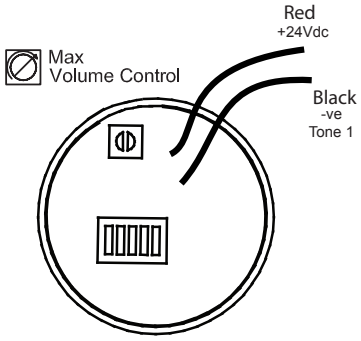
ASKARI Panel & Flange

Specification

Operating Voltage	18-24V AC
Operating Current	17-41mA
Current Consumption Nom	See Tones Table Below
Operating Temperature	-25°c - +70°c
Case Material	ABS
Environment Category	Type A/B
Ingress Protection	IP65

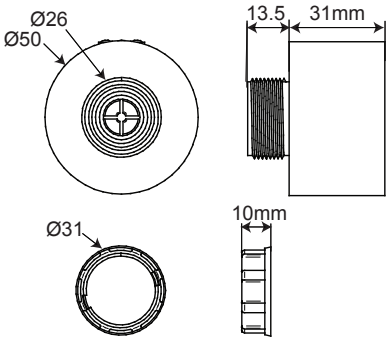
Connection Details





Dimensions

Askari Panel

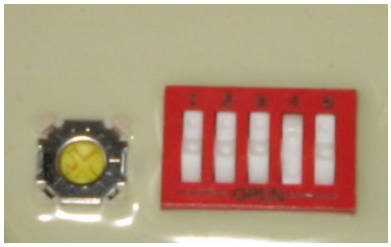


Tones table

Primary tone	Secondary tone	Switch setting	Tone Description				Main Application	Askari			
								18Vac		24Vac	
		12345	Pattern	Frequency Hz	Rate	Description		SPL(db(A))	I(mA)	SPL(db(A))	I(mA)
1	14	11111	Alternating	800 & 970	2Hz (250ms-250ms)		BS Fire tone	95	18	97	23
2	14	11110	Sweep	800 to 970	7Hz (7/s)		BS Fire tone	97	18	99	23
3	14	11101	Sweep	800 to 970	1Hz (1/s)		BS Fire tone	98	19	100	23
4	14	11100	Continuous	2850	Steady			93	30	95	37
5	4	11011	Sweep	2400 to 2850	7Hz			100	32	103	41
6	4	11010	Sweep	2400 to 2850	1Hz			101	32	103	41
7	14	11001	Slow whoop	300 to 1200	3s sweep, 0.5 s silence, then repeat		Dutch Fire tone	100	21	101	25
8	14	11000	Sweep	1200 to 500	1Hz		Din tone	100	23	102	29
9	4	10111	Alternating	2400 & 2850	2Hz (250ms-250ms)			98	31	100	40
10	14	10110	Intermittent	970	0.5Hz (1s On/1s Off)			97	18	99	23
11	14	10101	Alternating	800 & 970	1Hz (500ms-500ms)		BS Fire tone	96	18	98	23
12	4	10100	Intermittent	2850	0.5Hz (1s On/1s Off)			95	28	96	36
13	14	10011	Intermittent	970	0.8Hz (250ms On/1s Off)			95	10	96	12
14	14	10010	Continuous	970	Steady		BS Fire tone	97	19	99	24
15	14	10001	Alternating	554 & 440	100ms-400ms		French fire tone	99	22	101	28
16	16	10000	Intermittent	660	3.3Hz (150ms On/150msOff)		Swedish fire tone	96	14	98	17
17	17	01111	Intermittent	660	0.28Hz(1.8s On/1.8s Off)		Swedish fire tone	92	16	94	20
18	18	01110	Intermittent	660	0.05Hz (13s Off / 6.5Hz On)		Swedish fire tone	92	17	94	20
19	19	01101	Continuous	660	Steady		Swedish fire tone	92	16	94	20
20	20	01100	Alternating	554 & 440	0.5Hz (1s On/1s Off)		Swedish fire tone	94	23	96	29
21	21	01011	Intermittent	660	1Hz (500ms-500ms)		Swedish fire tone	92	11	94	19
22	14	01010	Intermittent	2850	4Hz (150ms On/100ms Off)		Pelican crossing	91	24	93	31
23	14	01001	Sweep	800 to 970	50Hz		BS Fire tone	92	18	94	23
24	4	01000	Sweep	2400 to 2850	50Hz			96	32	98	41
25	25	00111	Intermittent	970	3 x 500ms pulses followed by 1.5s silence then repeat		ISO 8201	92	17	94	22
26	26	00110	Intermittent	800 & 970	3 x 500ms pulses followed by 1.5s silence then repeat		ISO 8201	93	10	95	20
27	27	00101	Alternating	970 & 800	2T x 3 1.5s silence then repeat			92	17	94	22
28	10	00100	Alternating	800 & 970	2Hz (250ms-250ms)		BS Fire tone	92	18	94	23
29	33	00011	Alternating	990 & 650	2Hz (250ms-250ms) (Symphoni tones)		BS Fire tone	95	33	93	26
30	35	00010	Alternating	510 & 610	2Hz (250ms-250ms) (Squashni Micro tones)		BS Fire tone	93	26	95	34
31	31	00001	Sweep	300 to 1200	1Hz			94	25	96	30
32	32	00000	Alternating	510 & 610	Steady			94	22	95	

Cooper Fulleon Ltd, Cwmbran, South Wales, UK
See Fulleon Web Site : www.fulleon.co.uk

Askari flange installation Wiring Instructions



Volume Control
Turn clockwise to increase

Tone Selection Switch

The cable connections are as follows –

Red cable is for +Vdc
Black cable is the -V for tone stage 1
Blue cable is the -V for tone stage 2

Tones table

No.	Tone		2nd Tone	Code 12345	Description	Typ current (avg mA)		Typ S.P.L ±2dBA at 1m	
						12V	24V	12V	24V
1	Alternating	800/970Hz at 2Hz	14	11111	BS5839 Part 1 1988	10	18	91	95
2	Sweeping	800/970Hz at 7Hz	14	11110	Fast sweep (LF) BS5839 Part 1 1988	10	18	94	97
3	Sweeping	800/970Hz at 1Hz	14	11101	Medium sweep (LF) BS5839 Part 1 1988	10	18	94	97
4	Continuous	2850Hz	14	11100		16	32	102	105
5	Sweeping	2400-2850Hz at 7Hz	4	11011	Fast sweep	18	30	101	106
6	Sweeping	2400-2850Hz at 1Hz	4	11010		17	30	101	106
7	Slow Whoop		14	11001	Slow whoop	12	20	92	96
8	Sweep	Sweep 1200-500Hz at 1Hz	14	11000	Din tone	9	16	91	95
9	Alternating	2400/2850Hz at 2Hz	4	10111		19	30	100	105
10	Intermittent	970Hz at 1Hz	14	10110	Back-up Alarm (LF) BS5839 Part 1 1988	9	12	89	93
11	Alternating	800/970Hz at 1Hz	14	10101	BS5839 Part 1 1988	10	18	90	95
12	Intermittent	2850Hz at 1Hz	4	10100	Back-up Alarm (HF)	14	24	101	105
13	Intermittent	970Hz at ¼S on 1S off	14	10011	BS5839 Part 1 1988	5	8	85	90
14	Continuous	970Hz	14	10010	BS5839 Part 1 1988	11	20	90	94
15	Alternating	554Hz for 100mS and 440Hz for 400mS	14	10001	French Fire sound	7	12	86	91
16	Intermittent	660Hz 150mS On/150mS Off	16	10000	Swedish Alarm tone	6	9	83	88
17	Intermittent	660Hz for 1.8S On/1.8S Off	17	01111	Swedish Alarm tone	7	12	85	90
18	Intermittent	660Hz for 6.5S On/13S Off	18	01110	Swedish Alarm tone	8	14	86	91
19	Continuous	660Hz	19	01101	Swedish Alarm tone	8	14	86	91
20	Alternating	554/440Hz at 1Hz	20	01100	Swedish Alarm tone	7	13	86	91
21	Intermittent	660Hz at 1Hz	21	01011	Swedish Alarm tone	6	10	84	89
22	Intermittent	2850Hz 150mS On/100mS Off	14	01010	Pelican Crossing	13	22	100	105
23	Sweep	800-970Hz at 50Hz	14	01001	Low Frequency Buzz BS5839 Part 1 1988	10	18	92	96
24	Sweep	2400-2850Hz at 50Hz	4	01000	High Frequency Buzz	14	25	100	106
25	Intermittent	970Hz 500mS On/500mS Off	25	00111	ISO 8201 Low Frequency BS5839 Part 1 1988	9	14	88	92
26	Intermittent	2850Hz 500mS On/500mS Off	26	00110	ISO 8201 High Frequency	12	20	100	104
27	Continuous	4kHz	27	00101		18	35	97	101
28	Alternating	800/970 at 2Hz	10	00100	FP1063.1 - Telcom	10	17	91	95
29	Alternating	988/645 at 2Hz	988Hz	00011	Symphoni tones	8	17	90	97
30	Alternating	510/610 at 2Hz	510Hz	00010	Squashni Micro	6	12	91	98
31	Sweeping	300-1200 at 1Hz	31	00001		6	13	89	96
32	Continuous	4kHz	32	00000		18	35	97	101