

Technical Data

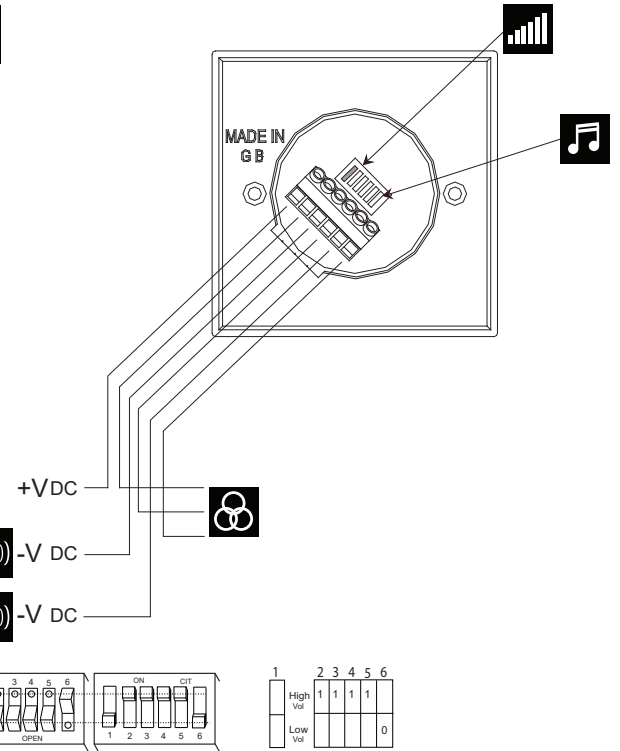
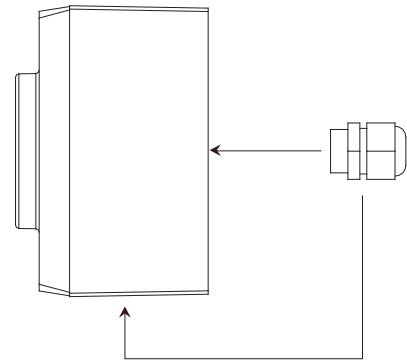
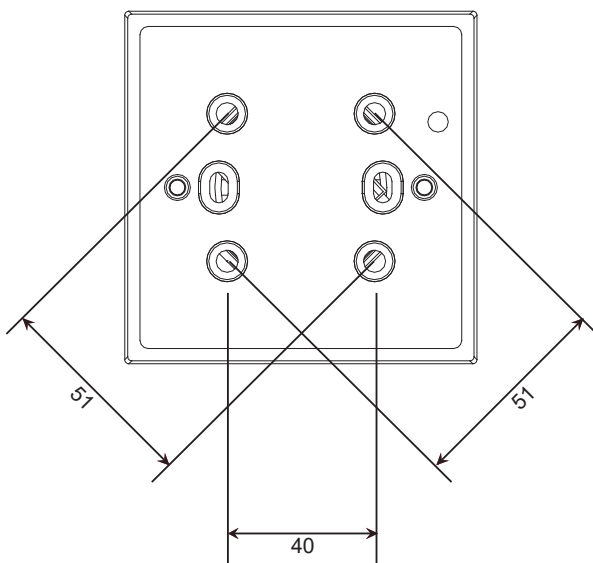
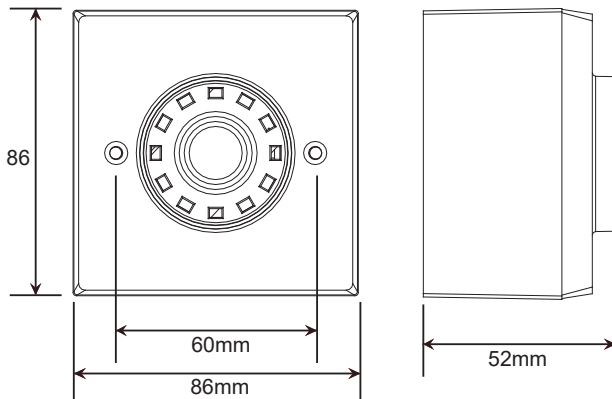
	ASKARI COMPACT/SV	
	 EN54-3	
Operating voltage	18 - 28Vdc	9 - 28Vdc
Current @ 24V	20mA	35mA
Cable size	0.28 - 2.5mm ²	0.28 - 2.5mm ²
Ambient temperature (min/max)	-25°C to +70°C	-25°C to +70°C
Material	ABS V0	ABS V0
Environmental category (IP rating)	IP33C	IP33C
Tones	6	32

Fire Alarm Device - Sounder for indoor (type A) and outdoor (type B) use

Essential Characteristics

Harmonized Technical Specification: EN54-3:2001+A1:2002+A2:2006

Clause(s)	Performance
4.2, 4.3, 5.2, 5.3	Pass
4.4, 4.5, 4.6, 5.4	Pass
5.5, 5.6, 5.7, 5.8, 5.9	Pass
5.8, 5.9, 5.10	Pass
5.11	Pass
5.12, 5.13, 5.14, 5.15	Pass
5.16	Pass
5.17	Pass



							@20°C		
							@24Vdc		EN54-3 Min SPL @ 28Vdc @ Max Volume @ Loudest node dB(A) @1m
							mA	dB(A)	
1	14	11111		800 & 970Hz	2Hz (250ms~250ms)	BS Fire Tone	18	95	*
2	14	11110		800 ~ 970Hz	7Hz (7/s)	BS Fire Tone	18	97	*
3	14	11101		800 ~ 970Hz	1Hz (1/s)	BS Fire Tone	18	97	94
4	14	11100		2850Hz	Steady		32	105	*
5	4	11011		2400 ~ 2850Hz	7Hz		30	106	*
6	4	11010		2400 ~ 2850Hz	1Hz		30	106	*
7	14	11001		500 ~ 1200Hz	3s Sweep, 0.5s silence, then repeat	Dutch Fire Tone	20	96	94
8	14	11000		1200 ~ 500Hz	1Hz	DIN Tone	16	95	93
9	4	10111		2400 & 2850Hz	2Hz (250ms~250ms)		30	105	*
10	14	10110		970Hz	0.5Hz (1s On / 1s Off)		12	93	*
11	14	10101		800 & 970Hz	1Hz (500ms~500ms)	BS Fire Tone	18	95	*
12	4	10100		2850Hz	0.5Hz (1s On / 1s Off)		24	105	*
13	14	10011		970Hz	0.8Hz (250ms On / 1s Off)		8	90	*
14	14	10010		970Hz	Steady	BS Fire Tone	20	94	95
15	14	10001		554 & 440Hz	100ms ~ 400ms	French Fire Tone	12	91	*
16	16	10000		660Hz	3.3Hz (150ms On / 150ms Off)	Swedish Fire Tone	9	88	*
17	17	01111		660Hz	0.28Hz (1.8s On / 1.8s Off)	Swedish Fire Tone	12	90	*
18	18	01110		660Hz	0.05Hz (13s Off / 6.5s On)	Swedish Fire Tone	14	91	*
19	19	01101		660Hz	Steady	Swedish Fire Tone	14	91	*
20	20	01100		554 & 440Hz	0.5Hz (1s On / 1s Off)	Swedish Fire Tone	13	91	*
21	21	01011		660Hz	1Hz (500ms ~ 500ms)	Swedish Fire Tone	10	89	*
22	14	01010		2850Hz	4Hz (150ms On / 100ms Off)	Pelican Crossing	22	105	*
23	14	01001		800 ~ 970Hz	50Hz	BS Fire Tone	18	96	*
24	4	01000		2400 ~ 2850Hz	50Hz		25	106	*
25	25	00111		970Hz	3 x 500ms pulses followed by 1.5s silence then repeat	ISO 8201	14	92	*
26	26	00110		2850Hz	3 x 500ms pulses followed by 1.5s silence then repeat	ISO 8201	20	104	*
27	27	00101		4000Hz	Steady		35	101	*
28	10	00100		800 & 970Hz	2Hz (250ms ~ 250ms)	BS Fire Tone	17	95	*
29	33	00011		990 & 650Hz	2Hz (250ms ~ 250ms) (Symphoni Tones)	BS Fire Tone	17	97	94
30	35	00010		510 & 610Hz	2Hz (250ms ~ 250ms) (Squashni Micro Tones)	BS Fire Tone	12	98	93
31	31	00001		300 ~ 1200Hz	1Hz		13	96	*
32	32	00000		4000Hz	Steady		12	99	*

- I. Tones certified under the CPR (Fire Alarm Applications) are shown in the column marked EN54-3
- II. All other SPL measurements are taken 'on axis' & are not third party verified.
- III. Detailed EN54-3 polar SPL measurements are available in M15-003
- IV. A SPL of at least 65dB(A) is achieved in at least one direction at minimum volume/voltage.
- I. Les tons certifiés dans le cadre de la RPC (application alarme incendie) sont indiqués dans la colonne intitulée EN54-3.
- II. Toutes les autres mesures NPA sont relevées « sur axe » et ne sont pas vérifiées par un tiers.
- III. Les mesures NPA polaires détaillées EN54-3 sont disponibles dans M15-003
- I. Die nach CPR (Feuermelderanwendung) zertifizierten Töne sind in Spalte EN54-3.
- II. Alle anderen Schalldruckmessungen wurden vom akustischen Mittelpunkt ab gelesen und von keiner unabhängigen Stelle verifiziert.
- III. Detaillierte Polar-SPL-Messungen gemäß EN54-3 sind erhältlich in M15-003
- I. I toni della sirena certificati CPR (applicazione allarme antincendio) sono indicate nella colonna contrassegnata con EN54-3.
- II. Tutte le altre misurazioni SPL sono state rilevate "sull'asse" e non sono state verificate da terzi.
- III. Le misurazioni SPL polari ai sensi della norma EN54-3 sono disponibili in M15-003

- I. U vindt tonen die onder CPR (brandalarmtoepassing) zijn gecertificeerd, in de kolom waar EN54-3 staat vermeld.
- II. Alle andere SPL-afmetingen zijn via de 'as' gedaan en niet door derden geverifieerd.
- III. Uitgebreide polaire SPL-afmetingen voor EN54-3 zijn beschikbaar in M15-003
- I. Los sonidos certificados por el CPR (aplicación para alarmas de incendios) se muestran en la columna marcada con EN54-3.
- II. Cualquier otra medida del SPL (nivel de intensidad acústica) se toma "sobre el eje" y no está verificada por terceras partes.
- III. Las medidas detalladas del SPL polar EN54-3 están disponibles en M15-003
- I. Signaler som är certifierade för CPR (brandvarnare) visas i kolumnen märkt EN54-3.
- II. Alla övriga mätningar av ljudtrycket har genomförts "direkt intill" och är inte bekräftade av tredje part.
- III. Detaljerade polära mätningar av ljudtrycket enligt EN54-3 finns under M15-003
- I. Sygnały dźwiękowe zgodne z CPR (do zastosowań pożarowych) wskazane są w kolumnie EN54-3.
- II. Pomiar SPL wszystkich pozostałych sygnałów zostały wykonane „w osi” i nie były poddane weryfikacji przez stronę trzecią.
- III. Szczegółowe dane pomiarów kątowych SPL wg EN54-3 dostępne są w dokumencie M15-003.

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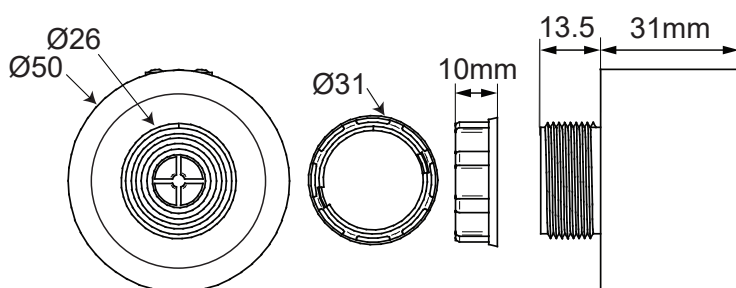
Specification

Operating Voltage Range	9-28Vdc
Operating Current	5-36mA
Current Consumption Nom	See tones table overleaf
Operating Temperature	-25°C to +70°C
Monitoring Method	Reverse Polarity
Second Tone	Connect third wire to -ve
Internal Fuse	N/A
Case Material	ABS
Environment Category	Type A/B
Ingress Protection	IP65*

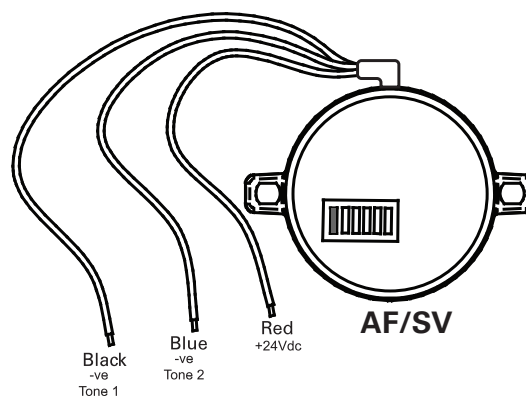
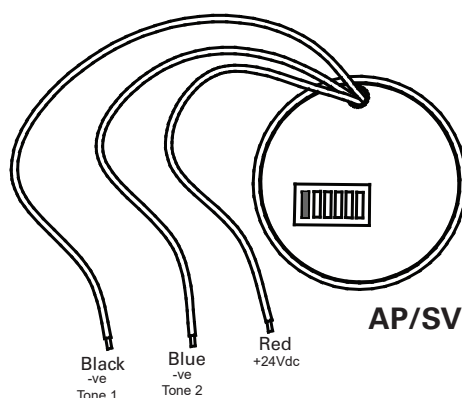
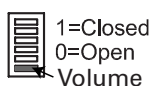
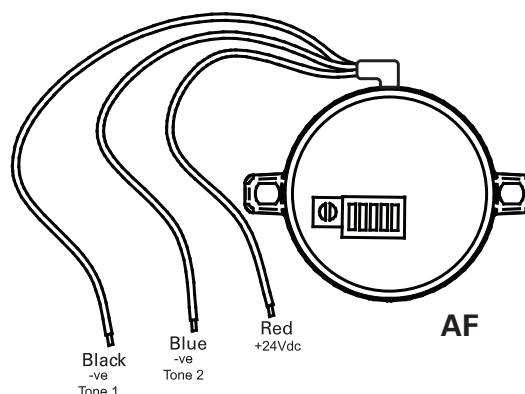
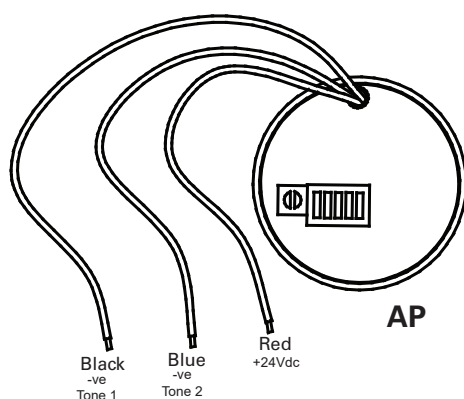
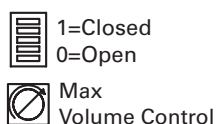
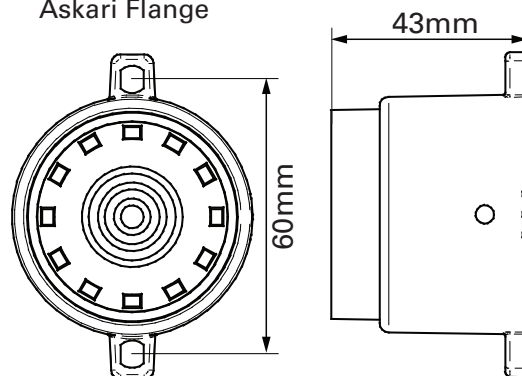
*Manufacturer's declaration



Askari Panel

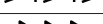
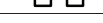
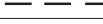


Askari Flange



Powering Business Worldwide

Tones table

											
			Pattern	Frequency Hz	Rate		Main Application	mA	dB(A)	mA	dB(A)
1	14	11111	Alternating	800 & 970	2Hz (250ms-250ms)		BS Fire tone	12	93	12	93
2	14	11110	Sweep	800 to 970	7Hz (7/s)		BS Fire tone	14	97	12	92
3	14	11101	Sweep	800 to 970	1Hz (1/s)		BS Fire tone	12	97	12	94
4	14	11100	Continuous	2850	Steady		General Purpose	31	98	32	95
5	4	11011	Sweep	2400 to 2850	7Hz		General Purpose	36	94	40	100
6	4	11010	Sweep	2400 to 2850	1Hz		General Purpose	35	104	41	102
7	14	11001	Slow whoop	500 to 1200	3s sweep, 0.5 s silence, then repeat		Dutch fire (NEN 2575)	12	106	14	95
8	14	11000	Sweep (DIN)	1200 to 500	1Hz		German fire (DIN 33 404)	15	99	15	94
9	4	10111	Alternating	2400 & 2850	2Hz (250ms-250ms)		General Purpose	29	98	33	97
10	14	10110	Intermittent	970	0.5Hz (1s On/1s Off)		PFEER alert	10	99	12	92
11	14	10101	Alternating	800 & 970	1Hz (500ms-500ms)		BS Fire	12	93	12	92
12	4	10100	Intermittent	2850	0.5Hz (1s On/1s Off)		General Purpose	20	94	28	94
13	14	10011	Intermittent	970	0.8Hz (250ms On/1s Off)		General Purpose	6	92	6	92
14	1	10010	Continuous	970	Steady		PFEER toxic gas	14	93	12	92
15	14	10001	Alternating	554 & 440	100ms-400ms		French fire (NFS 32-001)	17	98	15	94
16	19	10000	Intermittent	660	3.3Hz (150ms On/150msOff)		Swedish (Air Raid)	8	95	7	92
17	19	01111	Intermittent	660	0.28Hz(1.8s On/1.8s Off)		Swedish (Local warning)	8	96	9	93
18	19	01110	Intermittent	660	0.05Hz (13s Off / 6.5s On)		Swedish (Pre-mess)	12	96	10	93
19	1	01101	Continuous	660	Steady		Swedish (All clear)	12	96	10	93
20	19	01100	Alternating	554 & 440	0.5Hz (1s On/1s Off)		Swedish (Turn out)	16	98	15	94
21	14	01011	Intermittent	660	1Hz (500ms-500ms)		Swedish general purpose	8	96	9	93
22	14	01010	Intermittent	2850	4Hz (150ms On/100ms Off)		Pelican crossing	20	93	18	94
23	14	01001	Sweep	800 to 970	50Hz		BS Fire tone	13	96	12	92
24	4	01000	Sweep	2400 to 2850	50Hz		General Purpose	36	104	41	99
25	14	00111	Intermittent	970	3 x 500ms pulses, 1.5s silence, then repeat		ISO 8201	9	93	9	92
26	14	00110	Intermittent	800 to 970	3 x 500ms pulsed sweep, 1.5s silence, then repeat		ISO 8201	7	98	8	93
27	14	00101	Intermittent	970 & 800	3 x 500ms pulsed sweep, 1.5s silence, then repeat		ISO 8201	8	92	8	92
28	10	00100	Alternating	800 & 970	2Hz (250ms-250ms)		BS Fire tone	12	93	11	92
29	988Hz	00011	Alternating	990 & 650	2Hz (250ms-250ms) (Symphoni tones)		BS Fire tone	22	97	16	96
30	510Hz	00010	Alternating	510 & 610	2Hz (250ms-250ms) (Squashni Micro tones)		BS Fire tone	16	96	15	93
31	14	00001	Sweep	300 to 1200	1Hz		General Purpose	23	99	20	94
32	510Hz	00000	Alternating	510 & 610	1Hz (500mS-500mS)		BS Fire tone	17	96	16	94

*Although the device is functionally IP65 compliant, excessive contamination and / or fluid build-up between the sounding element and the plastic enclosure may result in a reduction of performance. Depending on environment routine inspection / maintenance of the device may be recommended accordingly. It is also advised that after any cleaning process excessive water is removed from between the sounding element and the plastic enclosure e.g. by use of a clean air aerosol. Switches & terminal block are located on the rear surfaces. The AP must be mounted through the surface of a suitable IP 65 housing. The AF rear surface must be protected from water / dust ingress. The supply cable and tube must be protected from water and dust ingress.