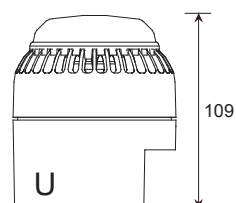
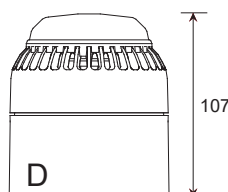
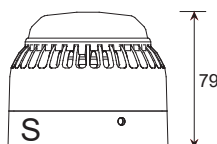
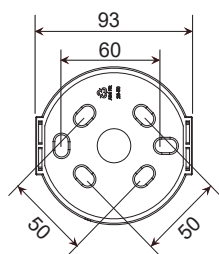


Technical Data



	ROLPSB/SV	
	EN54-3	
Operating voltage	18 to 28 Vdc 9 to 15Vdc	9 to 28 Vdc
Current @ 24V	23mA (max.)	35mA (max.)
Cable size	0.28mm ² ~ 2.5mm ²	0.28mm ² ~ 2.5mm ²
Ambient temperature (min/max)	-10 °C ~ +55 °C	-10 °C ~ +55 °C
Material	ABS V0	ABS V0
Environmental category (IP rating)	Type A = IP21C	Type A = IP21C
Tones	6	32

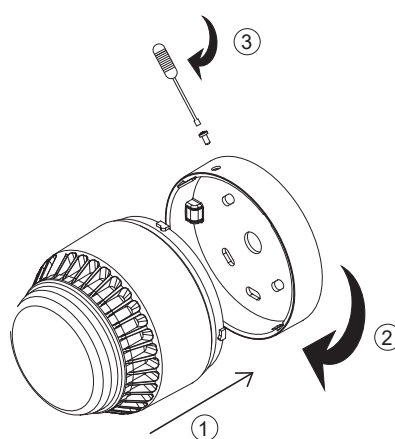
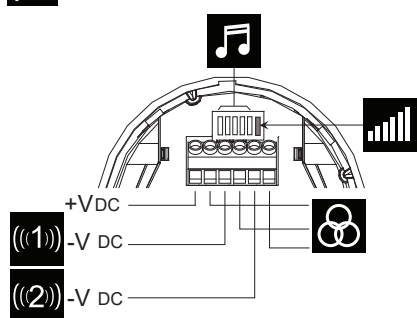
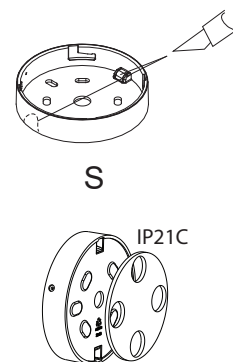
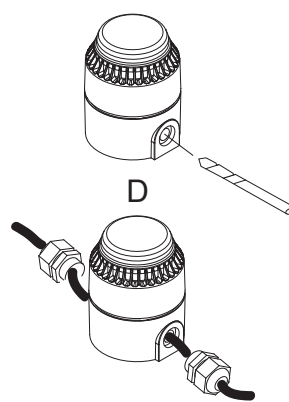
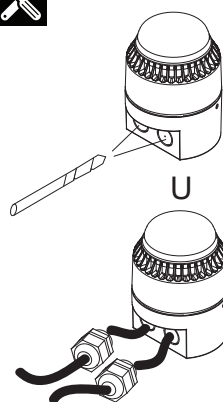
EN54-3 Fire Alarm Device - Sounder
 Dispositif d'alarme incendie EN54-3 – Avertisseur d'incendie
 EN54-3 Fire Alarm Device - Sounder
 EN54-3 Feueralarmgerät – Töner
 Dispositivo di allarme antincendio a norma EN54-3 - Sirena
 EN54-3 Pożarowe urządzenia alarmowe - Sygnalizatory akustyczne
 EN54-3 Brandalarm – sounder
 Dispositivo de alarma de incendios EN54-3 – Timbre de alarma
 EN54-3 Brandvarnare – Signalgivare



6 Way Switch Variants

Example of Tone 3 setting

1	High Vol	1	1	1	1	1	1	ON	CIT
	Low Vol	1	2	3	4	5	6	1	2
2	High Vol	1	1	1	1	1	1	ON	CIT
	Low Vol	V	1	2	3	4	5	V _{OL}	1



							Roshni LP (ROLPSB)					
							mA	*12Vdc on axis &1M dB(A)	EN54-3 Min SPL @ 15Vdc @ Max Volume @ Loudest node dB(A) @1m	mA	*24Vdc on axis &1M dB(A)	EN54-3 Min SPL @ 28Vdc @ Max Volume @ Loudest node dB(A) @1m
1	14	11111	Alternating	800 & 970Hz	2Hz (250ms~250ms)	BS Fire Tone	9	95	*	16	101	*
2	14	11110	Sweep	800 & 970Hz	7Hz (7/s)	BS Fire Tone	11	94	*	15	100	*
3	14	11101	Sweep	800 & 970Hz	1Hz (1/s)	BS Fire Tone	9	95	92	15	102	97
4	14	11100	Continuous	2850Hz	Steady	General Purpose	19	99	*	35	105	*
5	4	11011	Sweep	2400 ~ 2850Hz	7Hz	General Purpose	19	103	*	35	109	*
6	4	11010	Sweep	2400 ~ 2850Hz	1Hz	General Purpose	19	105	*	35	112	*
7	14	11001	Slow whoop	500 ~ 1200Hz	3s Sweep, 0.5s silence, then repeat	Dutch fire (NEN 2575)	9	97	93	15	103	97
8	14	11000	Sweep (DIN)	1200 ~ 500Hz	1Hz	German fire (DIN 33 404)	10	96	92	18	103	97
9	4	10111	Alternating	2400 & 2850Hz	2Hz (250ms~250ms)	General Purpose	18	99	*	34	105	*
10	14	10110	Intermittent	970Hz	0.5Hz (1s On / 1s Off)	PFEER alert	8	95	*	11	101	*
11	14	10101	Alternating	800 & 970Hz	1Hz (500ms~500ms)	BS Fire Tone	9	95	*	15	101	*
12	4	10100	Intermittent	2850Hz	0.5Hz (1s On / 1s Off)	General Purpose	12	99	*	20	105	*
13	14	10011	Intermittent	970Hz	0.8Hz (250ms On / 1s Off)	General Purpose	6	94	*	8	101	*
14	1	10010	Continuous	970Hz	Steady	PFEER toxic gas	10	95	92	17	101	95
15	14	10001	Alternating	554 & 440Hz	100ms ~ 400ms	French fire (NFS 32-001)	11	96	*	20	102	*
16	19	10000	Intermittent	660Hz	3.3Hz (150ms On / 150ms Off)	Swedish (Air Raid)	7	94	*	9	100	*
17	19	01111	Intermittent	660Hz	0.28Hz (1.8s On / 1.8s Off)	Swedish (Local warning)	7	95	*	10	101	*
18	19	01110	Intermittent	660Hz	0.05Hz (13s Off / 6.5Hz On)	Swedish (Pre-mess)	6	95	*	9	101	*
19	1	01101	Continuous	660Hz	Steady	Swedish (All clear)	8	95	*	13	101	*
20	19	01100	Alternating	554 & 440Hz	0.5Hz (1s On / 1s Off)	Swedish (Turn out)	10	96	*	19	102	*
21	14	01011	Intermittent	660Hz	1Hz (500ms ~ 500ms)	Swedish general purpose	7	94	*	9	101	*
22	14	01010	Intermittent	2850Hz	4Hz (150ms On / 100ms Off)	Pelican Crossing	15	98	*	30	104	*
23	14	01001	Sweep	800 ~ 970Hz	50Hz	BS Fire Tone	9	93	*	15	100	*
24	4	01000	Sweep	2400 ~ 2850Hz	50Hz	General Purpose	18	102	*	35	108	
25	14	00111	Intermittent	970Hz	3 x 500ms pulses followed by 1.5s silence then repeat	ISO 8201	7	95	*	10	101	*
26	14	00110	Intermittent (I*)	800 ~ 970Hz	3 x 500ms pulsed sweep followed by 1.5s silence then repeat	ISO 8201	7	95	*	9	102	*
27	14	00101	Intermittent (I*)	970 ~ 800Hz	3 x 500ms pulsed sweep followed by 1.5s silence then repeat	ISO 8201	6	94	*	9	101	*
28	10	00100	Alternating	800 & 970Hz	2Hz (250ms ~ 250ms)	BS Fire Tone	9	95	*	15	101	*
29	988Hz	00011	Alternating	990 & 650Hz	2Hz (250ms ~ 250ms) (Symphoni Tones)	BS Fire Tone	13	99	92	23	105	95
30	510Hz	00010	Alternating	510 & 610Hz	2Hz (250ms ~ 250ms) (Squashni Micro Tones)	BS Fire Tone	11	94	89	19	100	97
31	14	00001	Sweep	300 ~ 1200Hz	1Hz	General Purpose	13	98	*	17	103	*
32	510Hz	00000	Alternating	510 ~ 610Hz	Steady	BS Fire Tone	11	95	*	19	100	*

- 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 M96-024
- 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 M96-024
- 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 M96-024
- 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 M96-024

- 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 M96-024
- 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 M96-024
- 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 M96-024
- 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 M96-024.