

Sounder AX03, AX05

Loud signalling device with 32 different signals

- ▶ AC and DC versions
- ▶ High volume up to 110 dB(A)
- ▶ Low current consumption
- ▶ Choice of 32 different signal tones
- ▶ Steady frequency rate
- ▶ Robust and reliable
- ▶ Protecting cage available

Application

The Yodalarm sounders are loud, compact signalling devices with good directivity.

Their IP 65 housings qualify them for use both indoors and outdoors.

Design

The housing consists of Polycarbonate (self-extinguishing according to UL 94VO). The sounders are equipped with 32 different tones and are therefore suitable for universal use.

The Sounders are available in AC and DC version. Both versions are designed for a two-stage alarm.

Stage control in the DC version is effected with a three-wire connection or by reversing polarity externally. The AC version needs a three-wire cable for the two-stage alarm.

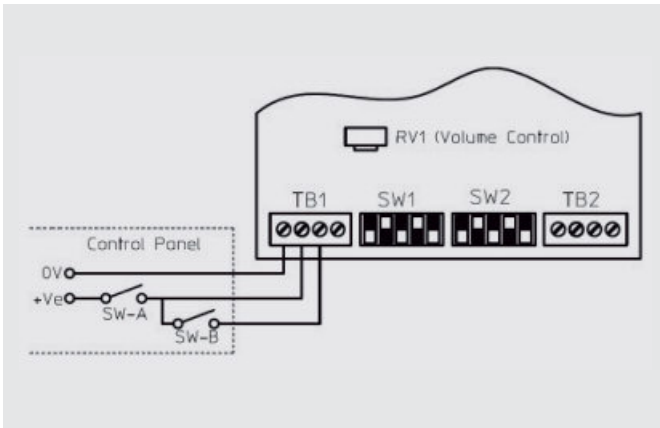
Signalling devices with good directivity

for use indoors and
outdoors.

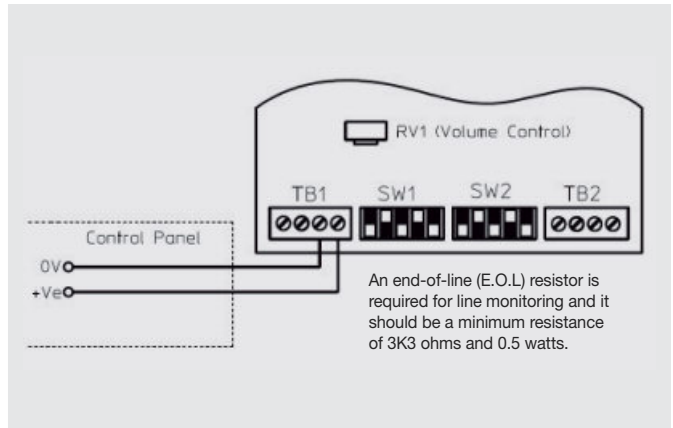


AX03 / AX05

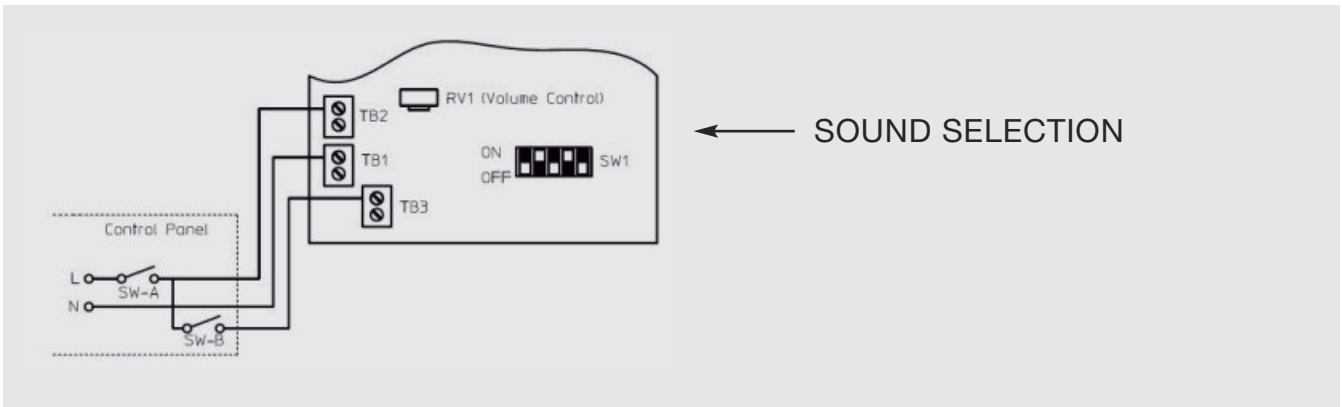
DC Input - second stage with third wire -
 Line integrity: monitor via reverse polarity



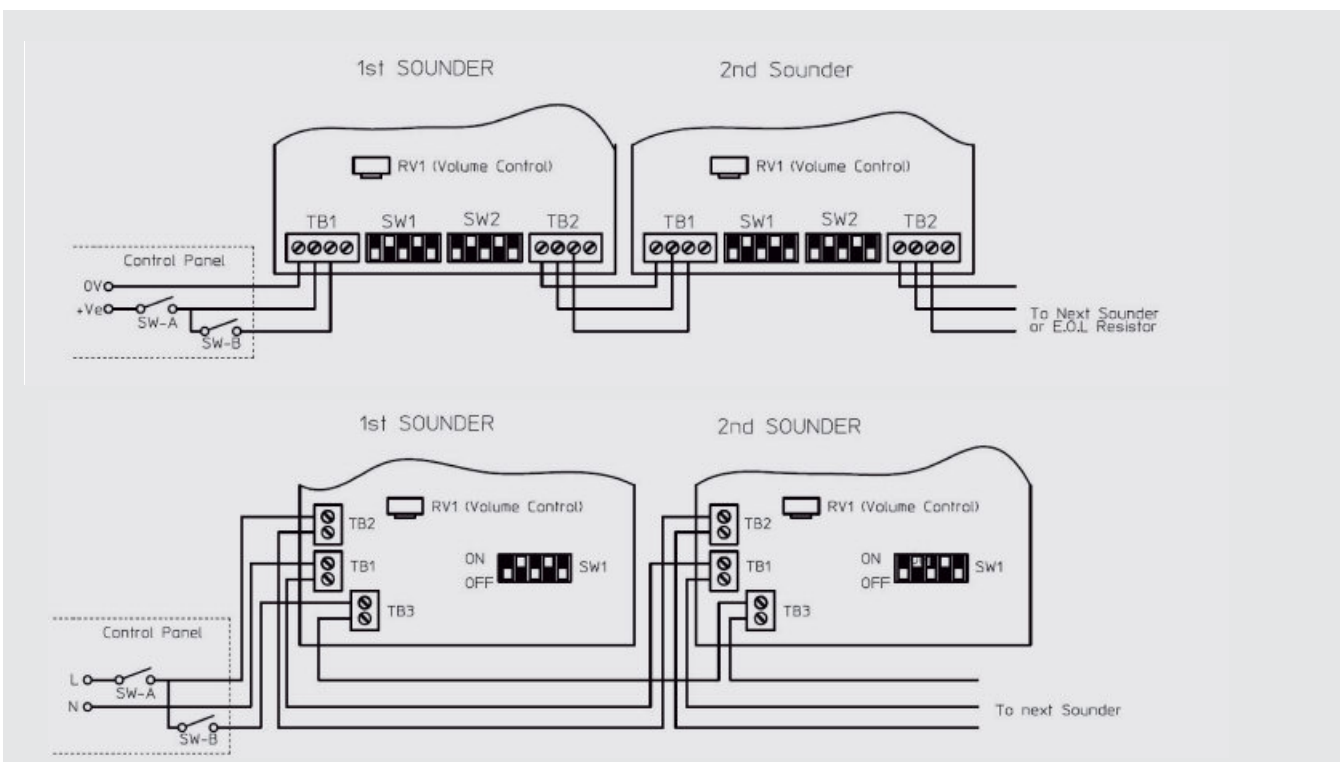
DC Input - second stage by supply reversal -
 Line integrity: monitor via threshold (applied voltage ≤ 1 V)



AC Input



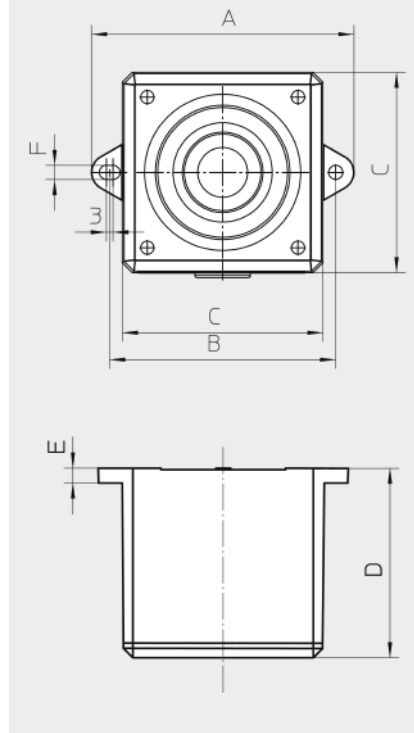
System connection



Technical specifications

Housing	Polycarbonate	
Colour	Red, similar to RAL 2002	
Protection degree	IP 65 (IEC 60529)	
Cable gland	Self-sealing grommet	
Volume	approx. 97 – 110 dB(A) (Regarding volume specifications, please see the chapter "Technical Informations".)	
Signals	32 different signal tones, see diagrams	
Temperature range	-25 °C to +55 °C	
Weight	AC	DC
	AX03 0.4 kg	0.3 kg
	AX05 0.7 kg	0.6 kg

Dimens.	AX03	AX05
A	118	169
B	102	153
C	89	134
D	85	128
E	8	9.5
F	Ø 6	Ø 8



First and Second Sound	Frequency /Hz	Rept. rate	Switch 1 2 3 4 5	Special Application
1 Alternate two-tone	800 - 1000	0.5	11111	Fire Alarms
2 Alternate two-tone	2500 - 3100	0.5	01111	Security Alarms
3 Alternate fast two-tone	800 - 1000	0.25	10111	Increased urgency
4 Alternate fast two-tone	2500 - 3100	0.25	00111	Security deterrent
5 Alternate two-tone	440 - 554	0.4/0.1	11011	AFNOR, France
6 Alternate two-tone	430 - 470	1.0	01011	
7 Alternate v. fast two-tone	800 - 1000	0.13	10011	
8 Alternate v. fast two-tone	2500 - 3200	0.07	00011	
9 Alternate two-tone	440 - 554	2.0	11101	Turn-out, Sweden
10 Continuous tone	700	-	01101	All-clear, Sweden
11 Continuous tone	1000	-	10101	
12 Continuous tone	1000	-	00101	
13 Continuous tone	2300	-	11001	
14 Continuous tone	440	-	01001	
15 Interrupted tone	1000	2.0	10001	
16 Interrupted tone	420	1.25	00001	AS2220, Australia
17 Interrupted tone	1000	0.5	11110	
18 Interrupted tone	2500	0.25	01110	
19 Interrupted tone	2500	0.5	10110	
20 Interrupted tone	700	6/12	00110	Pre-vital mess, Sweden
21 Interrupted tone	1000	1.0	11010	
22 Interrupted tone	700	4.0	01010	Air-raid, Sweden
23 Interrupted tone	700	0.25	10010	Local warning, Sweden
24 Interrupted tone	720	0.7/0.3	00010	Industrial alarm, Germany
25 Int. fast rising volume	1400	0.25	11100	
26 Fast siren	250 - 1200	0.085	01100	
27 Rising constant, fall	1000	10/40/10	10100	Industrial alarm, Germany
28 ISO 8201 Evacuation	800 - 1000	as std	00100	Int. evacuation alarm
29 Fast whoop	500 - 1000	0.15	11000	
30 Slow whoop	500 - 1200	4.5	01000	Evacuation, The Netherlands
31 Reverse sweep	1200 - 500	1	10000	Evacuation, Germany
32 Siren	500 - 1200	3.0	00000	

Switch settings: ON = 1 und OFF = 0

PFEER Signals acc. UKOOA:

Alarm	Signal 15 Interrupted tone 1000 Hz
PAPA	Signal 31 Reverse Sweep 1200-500 Hz
Toxic gas	Signal 11 Continuous tone 1000 Hz

Order information

Type	Name	Rated voltage V	Operating voltage range V	Current consumption A	Volume dB(A)	Article no.
AX03	Sounder	230 VAC	198 – 242 V	0.017	97 – 108	215 310 07
AX03	Sounder	12/24 VDC	10 – 35 V	0.04	97 – 108	215 310 13
AX05	Sounder	230 VAC	198 – 242 V	0.017	101 – 110	215 320 07
AX05	Sounder	12/24 VDC	10 – 35 V	0.04	101 – 110	215 320 13

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