

Yodalarm Sounder YO 8, YO 8 S

**Loud signalling device
with 32 different signals**

- ▶ AC and DC versions
- ▶ High volume up to 120 dB(A)
- ▶ Low current consumption
- ▶ Choice of 32 different signal tones
- ▶ Steady frequency rate
- ▶ Sturdy and reliable
- ▶ UL approval



Application

The Yodalarm sounders are loud, compact signalling devices with good directivity. Their IP 54 housings qualify them for use both indoors and outside.

Design

The housing consists of ABS (self-extinguishing according to UL 94V0). 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.

YO 8

FIGURE 1: DC INPUT – 2nd STAGE WITH A THIRD WIRE

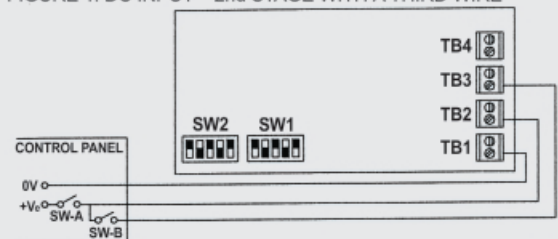


FIGURE 2: DC INPUT – 2nd STAGE BY SUPPLY REVERSAL

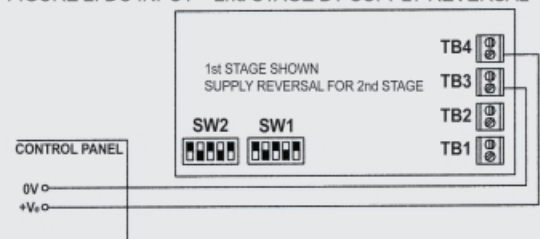
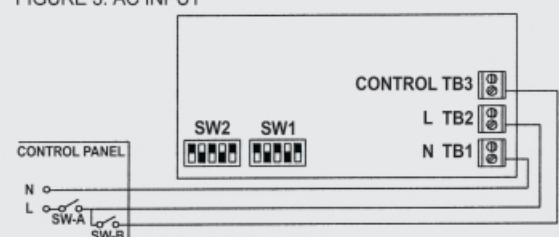


FIGURE 3: AC INPUT

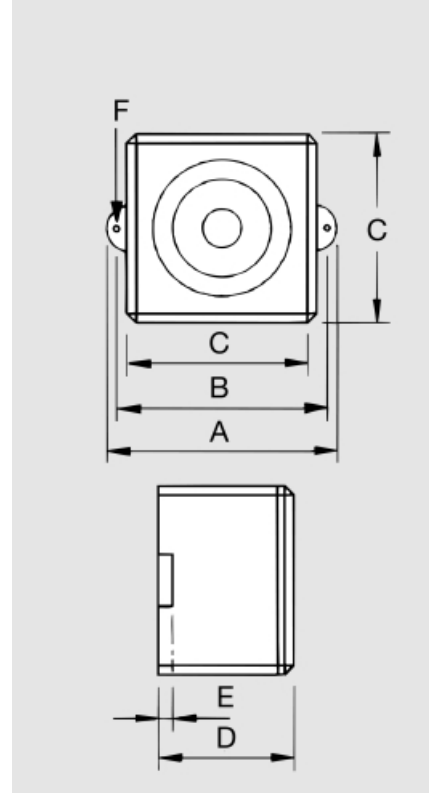


Technical specifications

Housing	ABS
Colour	Red, similar to RAL 2002
Protection degree	IP 54 (IEC 60529)
Cable gland	Self-sealing grommet
Volume	approx. 93–120 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
Approval	UL

Weight	AC	DC
	YO 8	2.83 kg 2.42 kg
	YO 8 S	2.83 kg 2.42 kg

Dimens. YO 8 YO 8 S		
A	269	269
B	250	250
C	216	216
D	153	153
E	11	11
F	Ø 8	Ø 8



First Stage Signal	Frequency Hertz	REP Rate (sec.)	2nd Stage	Switch 1 2 3 4 5	Special Application
1 Alternate two-tone	800 – 1000	0.5	3	1 1 1 1 1	Fire alarms
2 Alternate two-tone	2500 – 3100	0.5	4	0 1 1 1 1	Security alarms
3 Alternate fast two-tone	800 – 1000	0.25	7	1 0 1 1 1	Increased urgency
4 Alternate fast two-tone	2500 – 3100	0.25	8	0 0 1 1 1	Security deterrent
5 Alternate two-tone	440 – 554	0.4/0.1	14	1 1 0 1 1	AFNOR, France
6 Alternate two-tone	430 – 470	1.0	14	0 1 0 1 1	
7 Alternate v. fast two-tone	800 – 1000	0.13	12	1 0 0 1 1	
8 Alternate v. fast two-tone	2500 – 3200	0.07	13	0 0 0 1 1	
9 Alternate two-tone	440 – 554	2.0	10	1 1 1 0 1	Turn out, Sweden
10 Continuous tone	700	–	1	0 1 1 0 1	All-clear, Sweden
11 Continuous tone	1000	–	31	1 0 1 0 1	
12 Continuous tone	1000	–	7	0 0 1 0 1	
13 Continuous tone	2300	–	2	1 1 0 0 1	
14 Continuous tone	440	–	9	0 1 0 0 1	
15 Interrupted tone	1000	2.0	31	1 0 0 0 1	
16 Interrupted tone	420	1.25	30	0 0 0 0 1	AS2220, Australia
17 Interrupted tone	1000	0.5	1	1 1 1 1 0	
18 Interrupted tone	2500	0.25	4	0 1 1 1 0	
19 Interrupted tone	2500	0.5	2	1 0 1 1 0	
20 Interrupted tone	700	6/12	10	0 0 1 1 0	Pre-vitalmessage, Sweden
21 Interrupted tone	1000	1.0	32	1 1 0 1 0	
22 Interrupted tone	700	4.0	10	0 1 0 1 0	Air-raid alarm, Sweden
23 Interrupted tone	700	0.25	10	1 0 0 1 0	Local warning, Sweden
24 Interrupted tone	720	0.7/0.3	10	0 0 0 1 0	Industrial alarm, Germany
25 Int., fast, rising volume	1400	0.25	26	1 1 1 0 0	
26 Fast siren	250 – 1200	0.085	11	0 1 1 0 0	
27 Rising constant, fall	1000	10/40/10	17	1 0 1 0 0	Industrial alarm, Germany
28 ISO 8201 Evacuation	800 – 1000	As std.	11	0 0 1 0 0	Int'l evacuation alarm
29 Fast whoop	500 – 1000	0.15	32	1 1 0 0 0	
30 Slow whoop	500 – 1200	4.5	12	0 1 0 0 0	Evacuation, The Netherl.
31 Reverse Sweep	1200 – 500	1	11	1 0 0 0 0	Evacuation, Germany
32 Siren	500 – 1200	3.0	26	0 0 0 0 0	

Switch: 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.
YO 8	Yodalarm Sounder	230 VAC	198–242 V	0.08–0.15	101–116	215 330 07
YO 8	Yodalarm Sounder	12/24 VDC	10–35 V	0.075–0.35	101–116	215 330 13
YO 8 S	Yodalarm Sounder	230 VAC	198–242 V	0.08–0.15	120	215 331 07
YO 8 S	Yodalarm Sounder	12/24 VDC	10–35 V	0.075–0.35	120	215 331 13

Subject to change without notice · Printout 08/07



FHF Funke + Huster Fernsig GmbH · P.O. Box 14 01 66 · D-45441 Mülheim an der Ruhr · Gewerbeallee 15-19 · D-45478 Mülheim an der Ruhr
Telephone +49-208-82 68-0 · Fax +49-208-82 68-286 · <http://www.fhf.de> · e-mail: info@fhf.de