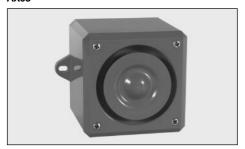




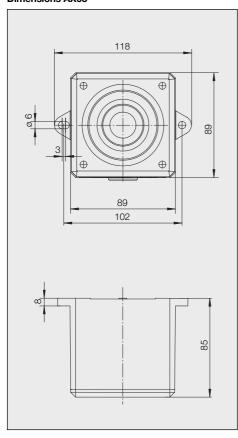


# Sounder AX03

### **AX03**



#### **Dimensions AX03**



#### Installation

The sounder can be affixed to most surfaces using screws through the external mounting lugs. A 20 mm gland entry is provided for the supply cable. The cable and gland must be fitted in accordance with the national and local regulations. It is not necessary to earth the sounder circuitry but earth tags should be used if earth continuity of conduit or cable sheathing needs to be maintained.

## Supply input

Ensure that the supply is correct for the voltage rating of the sounder. Ensure that the supply is OFF before making any connection and wire only in accordance with the terminal label detail.

#### Sound selection

Ensure the supply is OFF before proceeding. All dc and ac units have selectable alarm sounds (see table below for details) and are selectable by means of the 5 way DIL switches SW1 for the first stage and SW2 for the second stage. For dc units the second sound is made available upon the application of a third wire connected to terminal TB 1/3 as shown in Fig. 1 while still connected to terminal TB 1/2. Alternatively first and second stage sound signals can be generated by supply reversal at terminals TB1/3 and TB1/4, see Fig. 2. For ac units the second stage is available upon the application of a third wire L to TB3, see Fig. 3.

# Mounting

The AX03 series alarm units are mounted to a wall or bulkhead of suitable material using the lugs projecting from the side of the case. The lugs are bored 6 mm clearance on 102 mm centres. The recommended length of fixing screws is 20 mm. To maintain the integrity of the weather seal, the cable entry must be via a suitable sealed gland.

### Recycling

The device may be completely recycled as electronic waste. When the device is disassembled, plastics, metals and electronics are to be disposed of separately.

### **EMC-Directive**

The device complies with the requirements of the new EMC-directive 2004/108/EC and the low voltage directive 2006/95/FC

The conformity with the above directives is confirmed by the CE sign.

FHF BA 6030-10 04/11 1

### **Technical Data**

Housing Polycarbonate

Colour Red, similar to RAL 2002

Insulation class

Protection degree IP 65 acc. to IEC 60529

Cable gland intended for M20 x 1.5 or Self-sealing grommet Volume approx. 97-110 dB(A) (depending on signal tone)

32 different signal tones, see diagrams

2nd stage can be turned on externally

Temperature range

Signals

Operation -25 °C to +55 °C Storage -40 °C to +70 °C Weight AC 0.4 kg / DC 0.3 kg 24 VDC, 115 VAC, 230 VAC Operating voltage

Clamping capacity 2.5 mm<sup>2</sup> solid conductor / 1.5 mm<sup>2</sup> stranded conductor Connecting terminals

### Sound selection table

First and Second Stage	Frequency / Hz	Rept. rate	Switches 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	-	0 1 0 01	
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 sweap	1200 - 500	1	10000	Evacuation, Germany
32 Siren	500 - 1200	3.0	00000	

Switch settings: ON=1 und OFF=0

### The PFEER sound signals recommended by UKOOA are:

General Alarm Sound signal 15 Interrupted tone 1000 Hz PAPA Sound Signal 31 Reverse Sweep 1200-500 Hz Sound Signal 11 Continuous Tone 1000 Hz Toxic Gas

Loud alarm sound. Wear ear defenders when testing, installing and commissioning.

Figure 1 Figure 2

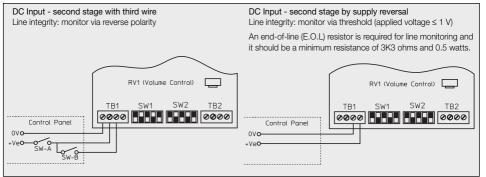


Figure 3

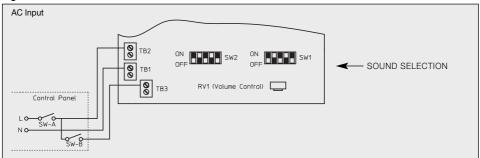
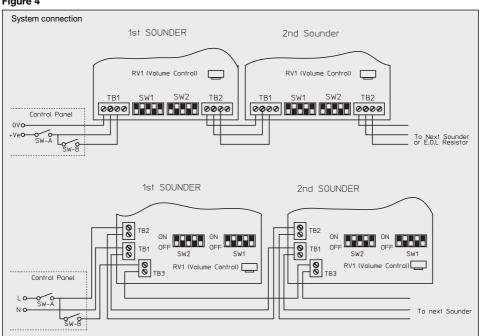


Figure 4



#### User information

- The appliance has been designed for insulation class II and is only to be connected to, and operated with, the specified voltage. Specifications of polarity must be observed.
- 2. Ensure that the casing is not damaged.
- 3. The relevant codes of Practice an Trade Association requirements for save operation must be observed.
- 4. Live components may become exposed when covers are opened or parts are removed. Before opening the appliance for alignment, maintenance, repair or replacement of parts, the appliance must be disconnected from all power supplies. If it is necessary to carry out alignment, maintenance or repair on the open and live device, this is only to be undertaken by a qualified specialist who has received corresponding instruction.
- 5. Capacitors may still be in a charged state even after the appliance has been disconnected from all power supplies.
- 6. The appliance is only to be operated under the specified ambient conditions and in the specified mode of operation. Unfavourable ambient conditions may cause damage to the appliance and put the user's life at risk. Unfavourable ambient conditions may be:
- excessive air humidity (>75%, relative, condensing)
- · moisture, dust (observe protection class)
- flammable gases, vapours, solvents
- excessively high ambient temperatures (>55°C)
- 7. The ambient temperatures must be within the specified range.
- 8. The appliance is designed for both indoor and outdoor use.
- 9. The installation and commissioning of the appliance may only be carried out by a qualified specialist; the same applies to any repairs with original spare parts. The use of other than original spare parts may cause damage or injury.

Subject to alterations or errors



FHF Funke + Huster Fernsig GmbH