

Y05/YL5 INSTALLATION INSTRUCTIONS

Installation: The sounder can be affixed to most surfaces using screws through the external mounting lugs or by drilling internal fixing holes. A 20mm 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 or combined sounder strobe being installed. 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 a 5 way dip switch SW1. A second sound is made available upon the application of a third wire connected to terminal TB1/3 as shown in Fig. 1 while still connected to terminal TB1/2. Alternatively 1st and 2nd stage sound signals can be generated by supply reversal (FOR DC UNITS ONLY) see Fig. 2. Independent second stage sound is available by using SW2 (OPTIONAL- only fitted with orders).

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

SOUND SELECTION TABLE

	<i>First Stage Sound</i>	<i>frequency</i> Hertz	<i>rept.</i> rate	<i>Second</i> Stage	<i>switches</i> 1 2 3 4 5	<i>Special Application</i>
# 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 note	700	-	1	0 1 1 0 1	All-clear, Sweden
# 11	Continuous note	1000	-	31	1 0 1 0 1	
12	Continuous note	1000	-	7	0 0 1 0 1	
13	Continuous note	2300	-	2	1 1 0 0 1	
14	Continuous note	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-vital mess, 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, 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 Netherlands
# 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 settings: ON=1 and OFF=0

- Tones approved to BSEN54 Part3

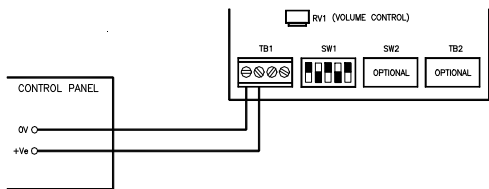
The PFEER sound signals recommended by UKOOA are:-

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

MOUNTING: The Y05 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 8mm clearance on 153mm centres. The recommended length of fixing screws is 25mm. To maintain the integrity of the weather seal, the cable entry must be via a suitable sealed gland.

Information for users of the YL5 combination devices: The optical device/beacon cannot be used as part of a fire alarm system. Only the sounder has been certified to the relevant EN54 standard.

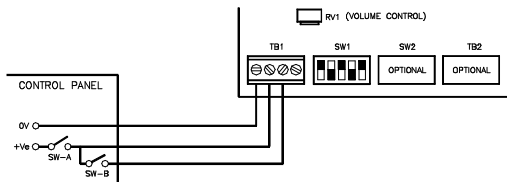
FIGURE 1: DC INPUT



LINE INTEGRITY ON DC SYSTEMS
 - FOR 3 WIRE 2 STAGE ALARM SYSTEM,
 MONITOR VIA REVERSE POLARITY
 - FOR 2 WIRE 2 STAGE ALARM SYSTEM,
 MONITOR VIA THRESHOLD (APPLIED VOLTAGE < 1V)
 AN END-OF-LINE (E.O.L) RESISTOR IS REQUIRED FOR
 LINE MONITORING AND SHOULD BE A MINIMUM
 RESISTANCE OF
 3K3 OHMS AND 0.5WATTS, WIRE-WOUND OR METAL
 FILM TYPE

FIGURE 2: DC INPUT -

2nd STAGE WITH THIRD WIRE



2nd STAGE BY SUPPLY REVERSAL

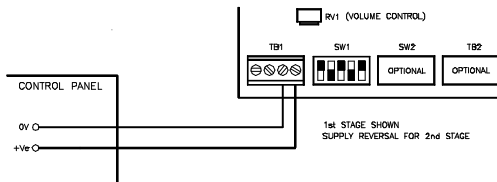
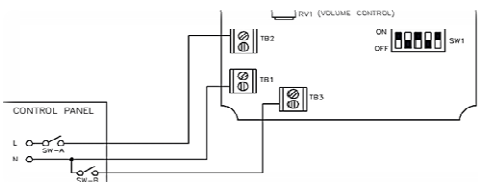
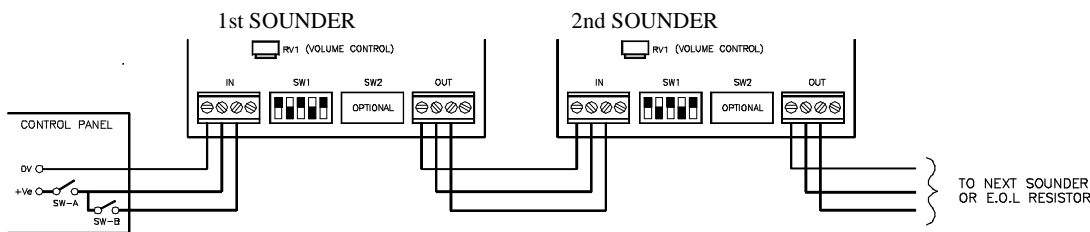


FIGURE 3: AC INPUT

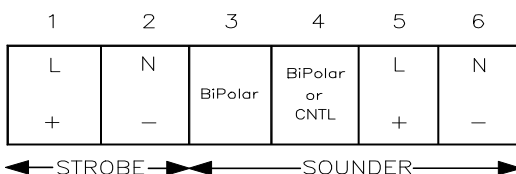


SOUND
SELECTION

FIGURE 4: SYSTEM CONNECTION



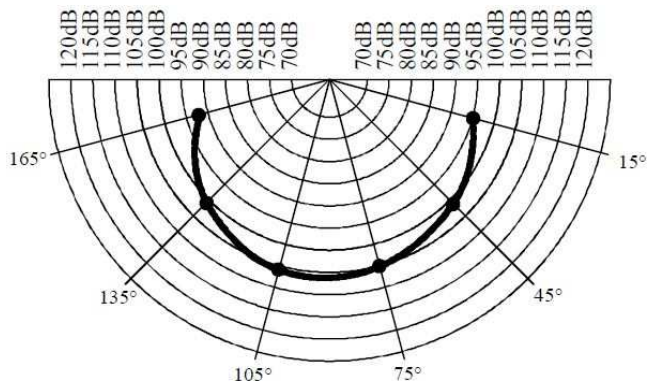
WIRING DETAILS FOR YL
UNITS



This is an audible alarm device for fire alarm devices on the standard EN 54-3 with EC-Certificate of conformity (Construction Products Regulations) **CE**0086 - CPR-96705 which was first issued at the year 2011 & **CE**11.



POLAR DIAGRAM OF TONE 11
(see Website for all tones)



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