Table 4

(*) EN54-3 certified. No 4 is the main tone (Table 4).

N1 No	Switch setting [1-2-3-4-5]	Frequency	Pattern	Rate	Main application	Sound level 1 dB (A)	Sound level 1 mA (Flash 1Hz)	Sound level 1 mA (Flash 0.5Hz)	Sound level 2 dB (A)	Sound level 2 mA (Flash 1Hz)	Sound level 2 mA (Flash 0.5Hz)	Sound level 3 dB (A)	Sound level 3 mA (Flash 1Hz)	Sound level 3 mA (Flash 0.5Hz)	Sound level 4 dB (A)	Sound level 4 mA (Flash 1Hz)	Sound level 4 mA (Flash 0.5Hz)
1	0-0-0-0-0	970	Continuous	Steady	PFEER toxic gas	84	11.2	24.3	91	11.2	24.3	97	24.3	35.7	101	27.4	38.5
2	1-0-0-0-0	970	Intermitted	0.5Hz (1s On/1s Off)	PFEER alert	76	11.2	24.3	82	11.2	24.3	88	24.3	35.7	90	27.4	38.5
3	0-1-0-0-0	1200 - 500	Sweep	1s sweep	German fire (DIN 33 404)	84	11.2	24.3	90	11.2	24.3	95	24.3	35.7	99	49.2	52.4
4	1-1-0-0-0	500 - 1200	Slow whoop	3s sweep, 0.5 sec silence	Dutch fire (NEN 2575) (*)	84	11.2	24.3	89	11.2	24.3	94	24.3	35.7	100 (*)	49.2	52.4
5	0-0-1-0-0	800 & 970	Alternating	1Hz (500ms-500ms)	BS Fire	85	11.2	24.3	91	11.2	24.3	96	24.3	35.7	99	35.7	49.2
6	1-0-1-0-0	2850	Intermitted	1Hz (0.5s On/0.5s Off)	General purpose	78	11.2	24.3	83	11.2	24.3	86	24.3	35.7	88	35.7	49.2
7	0-1-1-0-0	970	Intermitted	3 x 500ms pulsed, 1,5 sec silence	ISO 8201	73	11.2	24.3	77	11.2	24.3	83	24.3	35.7	87	27.4	38.5
8	1-1-1-0-0	2850	Intermitted	3 x 500ms pulsed, 1,5 sec silence		75	11.2	24.3	79	11.2	24.3	85	24.3	27.4	87	35.7	49.2
9	0-0-0-1-0	800 - 970	Sweep	7Hz	BS Fire	86	11.2	24.3	91	11.2	24.3	95	24.3	35.7	98	35.7	49.2
10	1-0-0-1-0	800 - 970	Sweep	1Hz	BS Fire (*)	86	11.2	24.3	91	11.2	24.3	96	24.3	35.7	100 (*)	35.7	49.2
11	0-1-0-1-0	2850	Continuous	Steady	General Purpose	89	11.2	24.3	94	11.2	24.3	99	24.3	27.4	101	35.7	49.2
12	1-1-0-1-0	2400 - 2850	Sweep	7Hz	General Purpose	86	11.2	24.3	92	11.2	24.3	92	24.3	27.4	98	35.7	49.2
13	0-0-1-1-0	2400 - 2850	Sweep	1Hz	General Purpose	86	11.2	24.3	92	11.2	24.3	94	24.3	27.4	98	35.7	49.2
14	1-0-1-1-0	2400 - 2850	Alternating	2Hz (250ms-250ms)	General Purpose	85	11.2	24.3	90	11.2	24.3	95	24.3	27.4	98	35.7	49.2
15	0-1-1-1-0	970	Intermitted	0.8Hz (250ms On/1s Off)	General Purpose	62	11.2	24.3	68	11.2	24.3	73	24.3	35.7	74	27.4	38.5
16	1-1-1-1-0	554 & 440	Alternating	100ms-400ms	French fire (NFS 32-001)	83	11.2	24.3	88	11.2	24.3	94	24.3	35.7	99	49.2	52.4
17	0-0-0-0-1	660	Intermitted	3.3Hz (150ms On/150ms Off)	Swedish (Air Raid)	73	11.2	24.3	77	11.2	24.3	82	24.3	35.7	85	38.5	52.4
18	1-0-0-0-1	660	Intermitted	0.28Hz (1.8s On/1.8s Off)	Swedish (Local warning)	81	11.2	24.3	85	11.2	24.3	90	24.3	35.7	94	38.5	52.4
19	0-1-0-0-1	660	Intermitted	0.05Hz (6.5s On/13s Off)	Swedish (Pre-mess)	85	11.2	24.3	89	11.2	24.3	95	24.3	35.7	98	38.5	52.4
20	1-1-0-0-1	554 & 440	Alternating	0,5Hz (1s On/1s Off)	Swedish (Turn out)	83	11.2	24.3	88	11.2	24.3	95	24.3	35.7	99	49.2	52.4
21	0-0-1-0-1	660	Intermitted	1Hz (500ms-500ms)	Swedish general purpose	74	11.2	24.3	78	11.2	24.3	83	24.3	35.7	86	38.5	52.4
22	1-0-1-0-1	2850	Intermitted	4Hz (150ms On/100ms Off)	Pelican crossing	79	11.2	24.3	84	11.2	24.3	88	24.3	35.7	91	35.7	49.2
23	0-1-1-0-1	800 - 970	Sweep	50Hz	BS Fire	85	11.2	24.3	91	11.2	24.3	95	24.3	35.7	98	35.7	49.2
24	1-1-1-0-1	2400 - 2850	Sweep	50Hz	General Purpose	86	11.2	24.3	92	11.2	24.3	90	24.3	35.7	92	35.7	49.2
25	0-0-0-1-1	970	Intermitted	3x500ms pulsed seep,1,5s silence, then repeat	ISO 8201	80	11.2	24.3	85	11.2	24.3	83	24.3	35.7	85	35.7	49.2
26	1-0-0-1-1	970	Intermitted	3x500ms pulsed 2 tones,1,5s silence, then repeat	ISO 8201	73	11.2	24.3	78	11.2	24.3	95	24.3	35.7	98	35.7	49.2
27	0-1-0-1-1	800 & 970	Alternating	2Hz (250ms-250ms)	BS Fire	84	11.2	24.3	90	11.2	24.3	94	24.3	35.7	99	49.2	52.4
28	1-1-0-1-1	990 & 650	Alternating	2Hz (250ms-250ms)	BS Fire	85	11.2	24.3	90	11.2	24.3	96	24.3	35.7	99	49.2	52.4
29	0-0-1-1-1	510 & 610	Alternating	2Hz (250ms-250ms)	General Purpose	83	11.2	24.3	91	11.2	24.3	94	24.3	35.7	96	49.2	52.4
30	1-0-1-1-1	300 - 1200	Sweep	1Hz	BS Fire	83	11.2	24.3	89	11.2	24.3	96	24.3	35.7	98	35.7	49.2
31	0-1-1-1-1	510 & 610	Alternating	1Hz (500ms-500ms)	BS Fire	83	11.2	24.3	91	11.2	24.3	98	24.3	35.7	99	49.2	52.4
32	1-1-1-1-1	150 - 1000	Sweep up, continuous, slow whoop	10s sweep 150-1000, 40s continuous, 10s sweep 1000-150	BS Fire	83	11.2	24.3	91	11.2	24.3	98	24.3	35.7	99	38.5	52.4

Technical Characteristics

BSR-5132/WP

COMMUNICATION PROTOCOL	Olympia A Protocol
MAIN VOLTAGE	12-30V DC
STANDBY CONSUMPTION	90µA
ALARM CONSUMPTION	11.2 to 52.4mA
MAXIMUM SOUND LEVEL IN 1 METER	101dB
BEACON	1 power LED
ENVIROMENTAL TYPE	Type B
MOUNTING	Wall mounted
MAXIMUM LOOP CURRENT (Ic max, -L in/out)	1A
MAXIMUM SWITCH CURRENT (Is max, -L in/out)	5A
MAXIMUM SERIES RESISTANCE (Zc max, -L in-out)	300mΩ
MAXIMUM LEAKAGE CURRENT IN ISOLATION MODE (IL max, -L in/out)	25mA pulses (6ms duration every 2sec)
ISOLATION VOLTAGE (Vso min-max)	8.8 - 11
RECONNECT VOLTAGE (Vsc min-max)	10.2 - 13
MOUNTING HEIGHT (x)	2.3 meters max
COVER AREA CODE	O-2.3-2.4-4.8
COVER AREA	26.5m³ maximun
FLASHING RATE	Adjustable to 1 Hz or 0.5 Hz
FLASHING COLOUR	White
DEGREES OF COVER PROTECTION	IP65
PRODUCED IN ACCORDANCE WITH	EN 54-3, EN-54-17, EN 54-23
OPERATING TEMPERATURE RANGE	-25 to 70 °C
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIALS	ABS/PC,PC
EXTERNAL DIMENSIONS	127x137x82 mm
TYPICAL WEIGHT	313 gr.
GUARANTEE	2 years

Warranty

Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid.

Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

European manufacturers

BSR-5132/WP

WATERPROOF ADDRESSABLE SOUNDER WITH BEACON AND INTEGRATED ISOLATOR

IP65   CE 20 1293

Thank you for your trust in our products
Olympia Electronics - European manufacturer

Package Contents

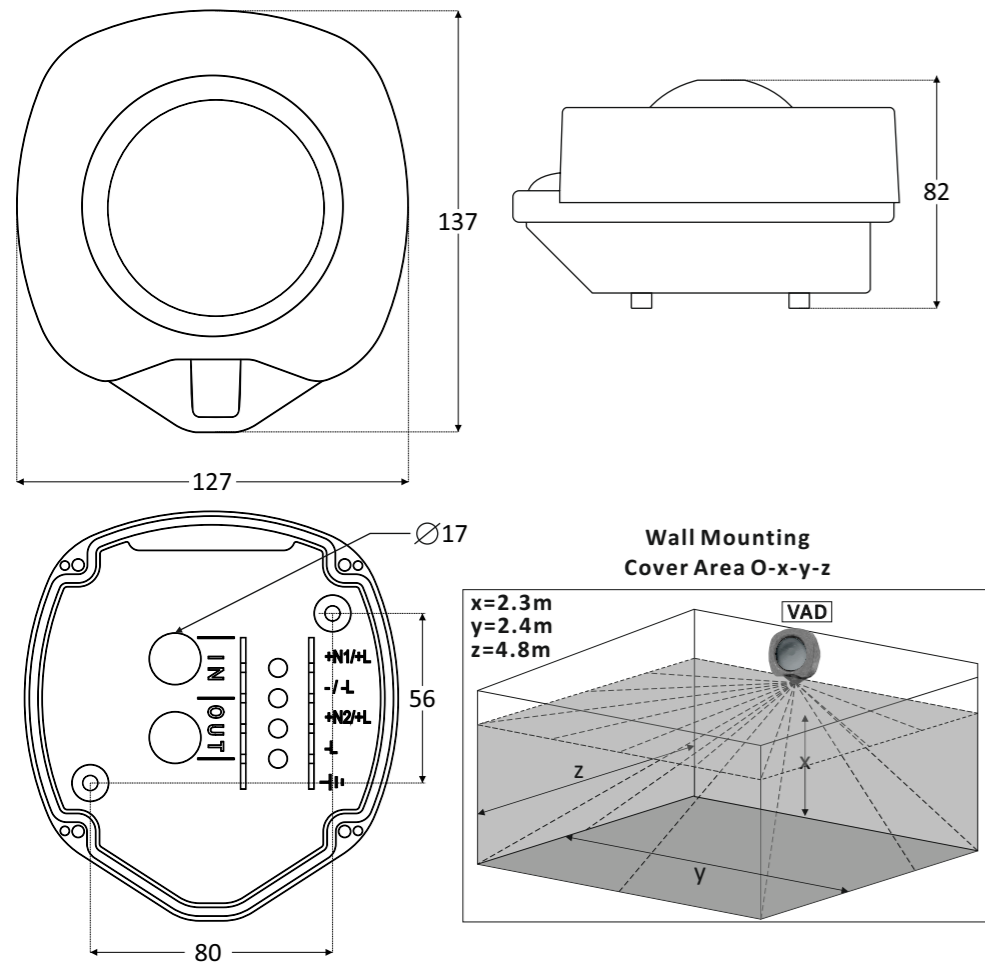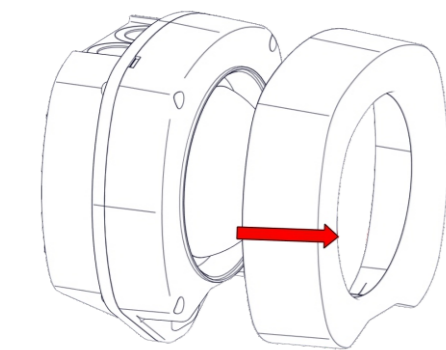|	
1	Sounder
1	Mounting Accessories
1	Manual

General

This device is used as an indication of a fire panel that sounds a warning signal from the siren and provides visual indication using the beacon. The sound level and the luminous signal it produces covers an area of several square meters. It is compatible with fire panels that support Olympia A Protocol. The BSR-5132/WP integrates an isolator short circuit which activates automatically by disconnecting the defective node from the loop and allowing it's detection though the panel.

Dimensional drawing (mm)

137   82

127

Ø17

IN   +N1/+L
OUT   -/-L
      +N2/+L
      ⊥
      ⊥⊥

56

80

Wall Mounting Cover Area O-x-y-z

x=2.3m
y=2.4m
z=4.8m

VAD

Installation Instructions

Remove the front plastic cover.

1
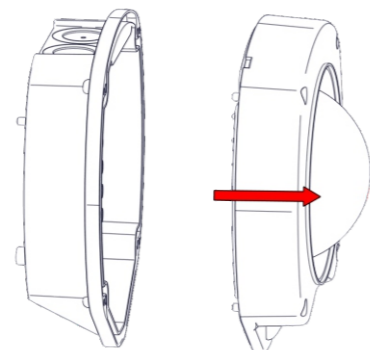
Remove the second plastic from its base.

**2**

Rubber grommet   Rubber sealing ring
Wall Plug   Washer
                  Screw
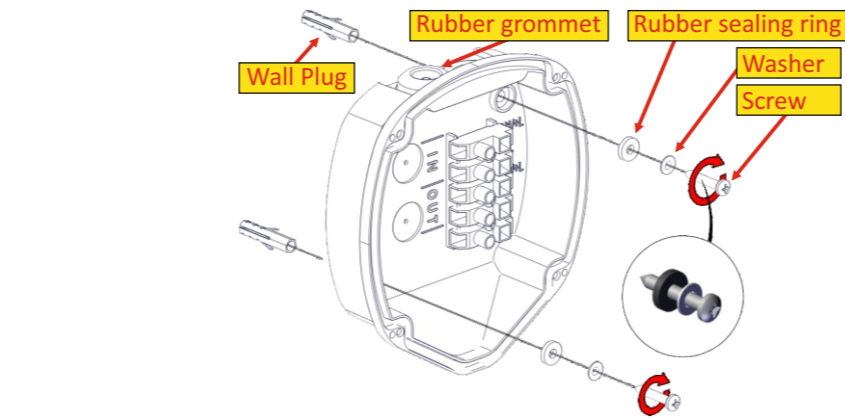
Drill the holes needed to pass the connection cables. Place the cable rubber grommets and open a hole to the center with a small screwdriver. Pass the connection cables through the rubber grommets.

Use the supplied mounting accessories to place the base of the siren in height up to 2.3 meters from the gound. **CAUTION!! Make sure that the base of the siren is installed in the correct orientation.**

3
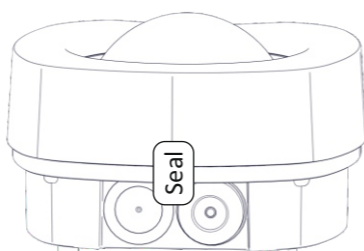

Loop OUT

Loop IN

Loop IN

Loop OUT

+N1/+L
-/-L
+N2/+L
⊥
⊥⊥
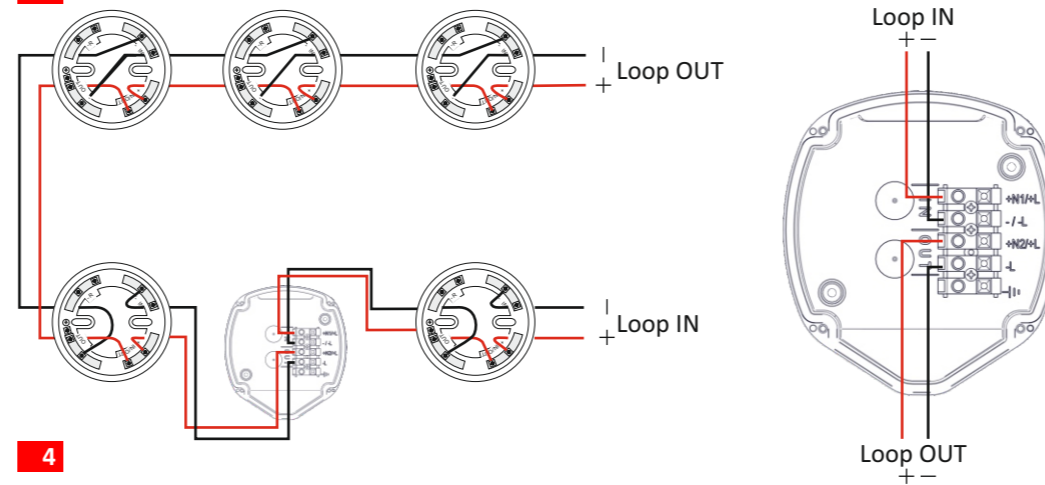
4
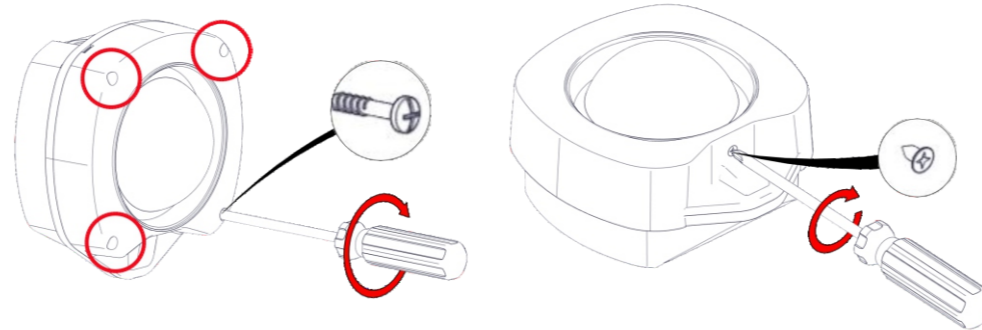
Replace the plastic cover and fasten it with the four including screws.

5

Replace the plastic cover and fasten it with the including red screw.

6

Seal

NOTE!!! After finishing the installation, place the sticker SEAL as shown in the picture above.

6

Test the operation of the device through the panel after the installation.
UID: In every device there is a double sticker with the UID (Unique Identifier) number.
This number is unique for each device.

Indicating LED
• **Flashes** periodically in quiescent state.
• **Lit steady** in case of alarm.
• **Turns off** only after a **reset.**

Visual indication of the siren with power LED.

Adjusting the sounder & beacon

DIP switches for siren and beacon settings.

Terminal connection to the loop.

• To **adjust the type of the sound indication** use DIP switches 1 to 5, according to Table 4.
• To **adjust the sound level** use DIP switches 6 to 7, according to Table 1.
• To **adjust the frequency of the flashing LED** use DIP switch 8 according to Table 2. The compatibility with EN 54-23 is achieved only when the 0.5 Hz frequency is selected.
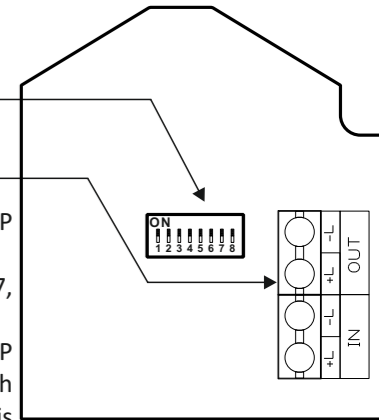
ON   OUT
      IN

Table 1	
Sound level No	**Switch setting [6-7]**
1	0-0
2	1-0
3	0-1
4	1-1
Table 2	
Light temporal pattern and frequency	**Switch setting [8]**
20 ms pulse at 1 Hz	0
150 ms pulse at 0.5 Hz (EN 54-23 compliant)	1
Table 3	
Angle of measurement	**dB(A) at 1m at Sound level 4**
15	86
45	92
75	97
105	97
135	94
165	88