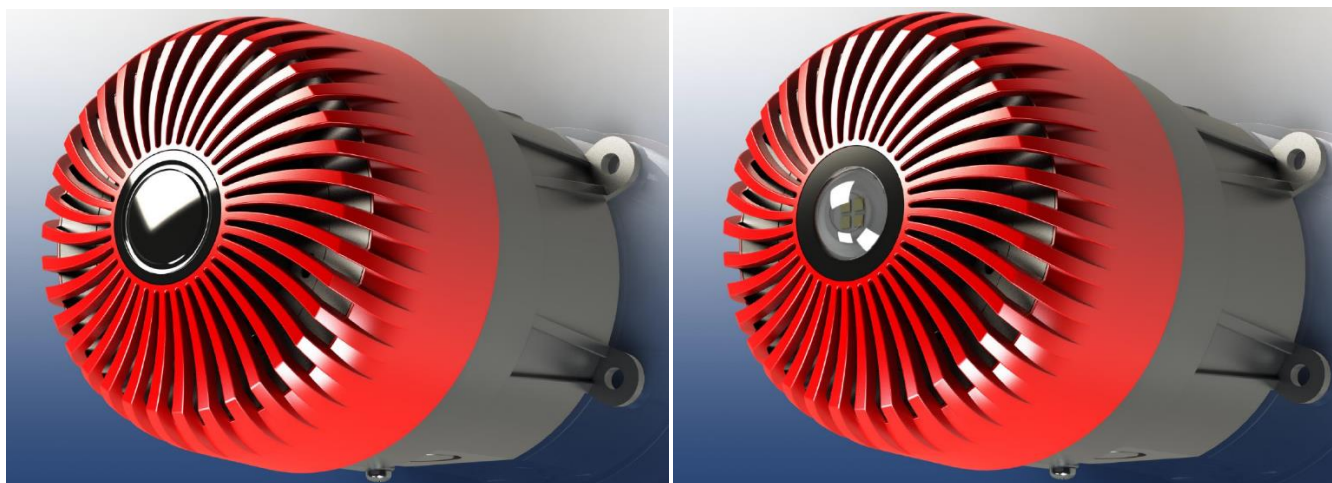


ADDRESSABLE R100 SOUNDER AND SOUNDER BEACON

INSTALLATION MANUAL



Description

The R100 Addressable sounder is suitable for many indoor and outdoor applications.

It has adjustable sounder and VAD settings which allow it's output to be adjusted to meet installation requirements.

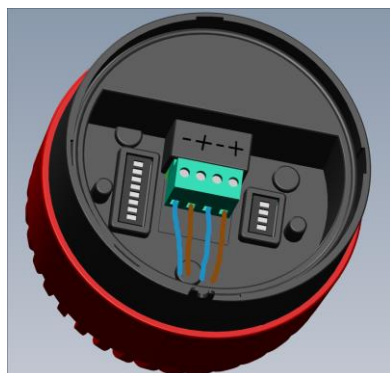
It is available as sounder only, or sounder beacon versions.

It has a built-in short circuit isolator.

It is supplied with an indoor backbox, with an outdoor backbox available as an optional extra.

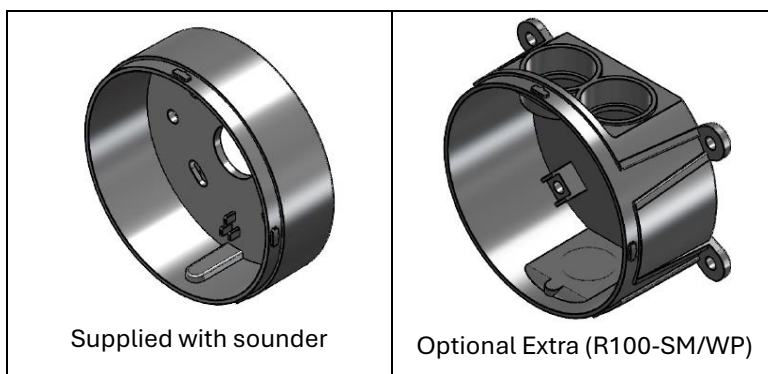
Connections

The R100 has a 4-way pluggable connector block for it's loop connection. The backbox has an earthing point for connecting the cable earth screens.



Back Boxes

The R100 has two backbox options. The standard backbox suitable for indoor use with rear cable entry, and the R100-SM/WP backbox suitable for surface mounted cable entry or outdoor use.



Address setting

This sounder is addressed via an 8-way dip switch. All 8 switches are used for the address.

setting. It is a binary arrangement, with ON being the zero position.

Switch	1	2	3	4	5	6	7	8
Value when ON	0	0	0	0	0	0	0	0
Value when Off	1	2	4	8	16	32	64	128

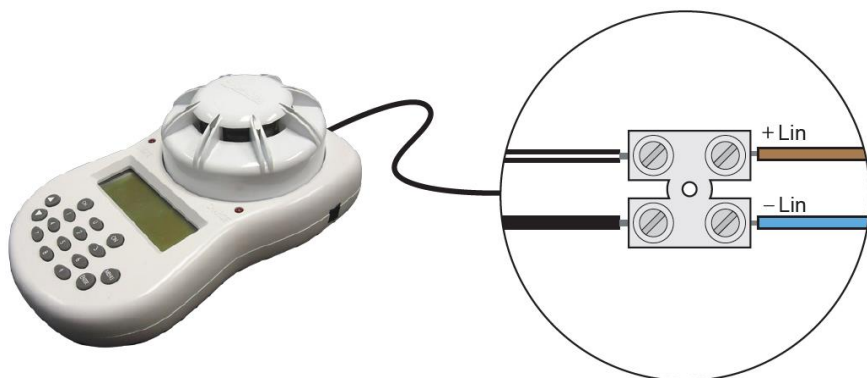
The Switch settings can be calculated using these numbers. EG $21 = 16 + 4 + 1$, so Switches 1,3 & 5 are off, all the others are on. The maximum address is 250. For convenience a table of all address settings can be found at the end of the manual.

Alternative Soft Addressing Option

Using our hand held MkII programmer (Part No: 48-004), the sounder can be addressed electronically.

Step 1: Set all addresses to zero 0000000.

Step 2: Connect leads to LOOP IN+ and LOOP IN- as shown below.



Step 3: Follow the procedure as described in the handheld programmer manual.

NOTE: When a device is soft addressed as above, the address **CANNOT BE CHANGED** by mechanical setting of the dip-switch. In order to re-enable the dip-switch the unit needs to be set electronically back to zero first.

Protocol usage

The R100 Sounder and sounder beacon work on the Zeta Fyreye II protocol only. The flasher (if fitted) can be triggered independently to the sounder, if the control panel supports that function.



Alarm Tone Selection

The R100 sounder supports alarm tone selection. IE, the installer can decide which

alarm tone ALL the sounders will use. The alarm tone can be set for the whole system via

the control panel. One of 16 tones can be chosen for the alarm tone.

No	Tone Description	Pattern	Frequency (Hz)	Rate
0*	BS Fire (Default Zeta tone)	Alternating	800 & 970	1Hz (500ms-500ms)
1	BS Fire	Alternating	800 & 970	2Hz (250ms-250ms)
2	BS Fire	Sweep	800 to 970	1Hz (1 sweep per second)
3	BS Fire	Sweep	800 to 970	7Hz (7 sweeps per second)
4	BS Fire	Sweep	800 to 970	50Hz (50 sweeps per second)
5	BS Fire	Alternating	510 & 610	1Hz (500ms-500ms)
6	German Fire (DIN 33 404)	Sweep	1200 to 500	1Hz (1 sweep per second)
7	French Fire	Alternating	554 & 440	2 Hz (100ms-400ms)
8	Dutch Fire	Slow Whoop	500 to 1200	3.5s sweep, 0.5s silence, repeat
9	PFEER Toxic Gas	Continuous	970	Steady
10	PFEER alert	Intermittent	970	0.5Hz (1s On/1s Off)
11	ISO 8201 intermittent	Intermittent	970	(0.5 sec on, 0.5 sec off) x3, 1 sec off
12	ISO 8201 positive sweep	Intermittent	800 to 970	(0.5 sec on, 0.5 sec off) x3, 1 sec off
13	ISO 8201 negative sweep	Intermittent	970 to 800	(0.5 sec on, 0.5 sec off) x3, 1 sec off
14	BS Fire intermittent	Intermittent	970	1 Hz (0.5 sec on, 0.5 sec off)
15	ISO 8201 intermittent Low Frequency	Intermittent	520	(0.5 sec on, 0.5 sec off) x3, 1 sec off

* Approved Tone

See Document GLT-327-6-3 for further operational data.

Other Tones

The R100 Addressable sounder has 3 tones that can be triggered in normal running:-

- Alarm Tone – Selectable – see list above.
- Alert tone – 970Hz intermittent. 0.5s on, 0.5s off
- Emergency - 970Hz intermittent: 3 x 500ms pulses, 1.5s silence, then repeat

The availability of these tones will depend on the Control panel used.

Sounder Output Setting

The R100 Sounder has selectable volume levels. On a Smart panel, the setting is done at the control panel. On other control panels, the setting is with the 4-way DIP switch (Switches 3 & 4). The Dip Switch settings are

Smart Setting	Switch 1	Switch 2	Switch 3	Switch 4	Setting
3*	X	X	0	0	High
2	X	X	1	0	Medium
1	X	X	0	1	Low
0	X	X	1	1	Reserved

* Approved Setting

Flasher Output Setting

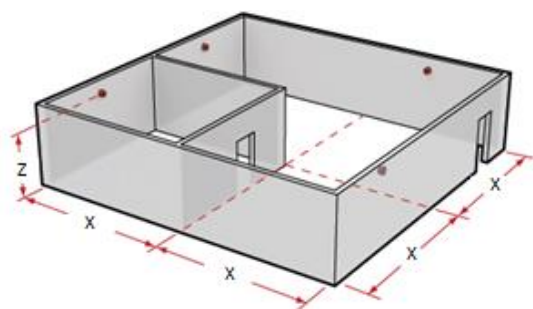
The R100 Sounder VAD has selectable VAD levels. On a Smart panel, the setting is done at the control panel. On other control panels, the setting is with the 4-way DIP switch (Switches 1 & 2). The Dip Switch settings allow for 4 settings (3 and off). The settings on the smart panel allow for 8 settings (7 and off)

Smart Setting	Switch 1	Switch 2	Switch 3	Switch 4	Setting
7*	0	0	X	X	High
6	-	-	-	-	Not Available via DIP switch
5	-	-	-	-	Not Available via DIP switch
4	-	-	-	-	Not Available via DIP switch
3	1	0	X	X	Medium
2	-	-	-	-	Not Available via DIP switch
1	0	1	X	X	Low
0	1	1	X	X	OFF

* Approved Setting

Flasher Coverage

The R100 addressable sounder beacon has selectable beacon settings. The coverage for each setting is



Setting	Coverage (W-z-x)	Alarm Current*
7	W-3.5-6.1	36mA
6	W-3.2-5.7	31mA
5	W-3.0-5.2	26mA
4	W-2.6-4.6	20mA
3	W-2.7-4.7	21mA
2	W-4.2-2.7	16mA
1	W3.1-2.0	11mA
0	OFF	5.5mA
*Sounder on Max Setting		



Trouble shooting

Problem	Possible Cause
Device not seen by panel	Check the device is addressed within the range of the panel :- 1 To 250 for a Smart Panel / 1 To 126 for a Simplicity Plus / others – check manual Check that loop is connected with correct polarity. Check the panel is running the Zeta Fyreye MkII protocol
Sounder Is not operating	Check panel` s actions (cause & effect) programming is correct. Check volume setting
Flasher is not operating	Check Flasher output setting. Check panel` s actions (cause & effect) programming is correct.
Can not start an individual sounder	Check whether triggering individual sounders is supported by the control panel. Check the cause & effect to see if common operation has been selected

Technical Data

Model	R100-SA	R100-SBA
Part Number	42-640	42-641
Colour	Red & Grey	
Flash Colour	N/A	White
Flash Rate	N/A	0.5Hz
Flasher Coverage	N/A	W-3.5-6.1 (Max Setting)
Number of VAD Settings	N/A	7 (+ off)
Sound Output (Anechoic)	100dB	100dB
Number of sounder tones	16	
Number of sounder volumes	3	
Operating voltage	17-28V	
Quiescent Current	0.7mA	
Alarm Current	2.6mA – 5.5mA (Depends on setting)	7.9mA – 36mA (Depends on setting)
Sounder Type	Type B (Indoor) Type A (Outdoor) with Weatherproof backbox	
Operating Temperature	-25°C to +70°C	
Minimum continuous operating temperature	0°C	
Max Humidity	95% RH Non-Condensing	
IP Rating	IP21C (Indoor) IP33C (outdoor) with R100-SM/WP backbox	
Size (H x W x D in mm)	100 x 100 x 103mm (Indoor Backbox) 120 x 120 x 118 (Outdoor backbox)	100 x 100 x 106mm (Indoor Backbox) 120 x 120 x 124 (Outdoor backbox)
Weight	305g	320g

Address DIP Switch Setting

ADDRESS	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
0								
1	OFF	ON	ON	ON	ON	ON	ON	ON
2	ON	OFF	ON	ON	ON	ON	ON	ON
3	OFF	OFF	ON	ON	ON	ON	ON	ON
4	ON	ON	OFF	ON	ON	ON	ON	ON
5	OFF	ON	OFF	ON	ON	ON	ON	ON
6	ON	OFF	OFF	ON	ON	ON	ON	ON
7	OFF	OFF	OFF	ON	ON	ON	ON	ON
8	ON	ON	ON	OFF	ON	ON	ON	ON
9	OFF	ON	ON	OFF	ON	ON	ON	ON
10	ON	OFF	ON	OFF	ON	ON	ON	ON
11	OFF	OFF	ON	OFF	ON	ON	ON	ON
12	ON	ON	OFF	OFF	ON	ON	ON	ON
13	OFF	ON	OFF	OFF	ON	ON	ON	ON
14	ON	OFF	OFF	OFF	ON	ON	ON	ON
15	OFF	OFF	OFF	OFF	ON	ON	ON	ON
16	ON	ON	ON	ON	OFF	ON	ON	ON
17	OFF	ON	ON	ON	OFF	ON	ON	ON
18	ON	OFF	ON	ON	OFF	ON	ON	ON
19	OFF	OFF	ON	ON	OFF	ON	ON	ON
20	ON	ON	OFF	ON	OFF	ON	ON	ON
21	OFF	ON	OFF	ON	OFF	ON	ON	ON
22	ON	OFF	OFF	ON	OFF	ON	ON	ON
23	OFF	OFF	OFF	ON	OFF	ON	ON	ON
24	ON	ON	ON	OFF	OFF	ON	ON	ON
25	OFF	ON	ON	OFF	OFF	ON	ON	ON
26	ON	OFF	ON	OFF	OFF	ON	ON	ON
27	OFF	OFF	ON	OFF	OFF	ON	ON	ON
28	ON	ON	OFF	OFF	OFF	ON	ON	ON
29	OFF	ON	OFF	OFF	OFF	ON	ON	ON
30	ON	OFF	OFF	OFF	OFF	ON	ON	ON
31	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
32	ON	ON	ON	ON	ON	OFF	ON	ON
33	OFF	ON	ON	ON	ON	OFF	ON	ON
34	ON	OFF	ON	ON	ON	OFF	ON	ON
35	OFF	OFF	ON	ON	ON	OFF	ON	ON
36	ON	ON	OFF	ON	ON	OFF	ON	ON
37	OFF	ON	ON	ON	ON	OFF	ON	ON
38	ON	OFF	OFF	ON	ON	OFF	ON	ON
39	OFF	OFF	OFF	ON	ON	OFF	ON	ON
40	ON	ON	ON	OFF	ON	OFF	ON	ON
41	OFF	ON	ON	ON	ON	OFF	ON	ON
42	ON	OFF	ON	OFF	ON	OFF	ON	ON
43	OFF	OFF	ON	OFF	ON	OFF	ON	ON
44	ON	ON	OFF	OFF	ON	OFF	ON	ON
45	OFF	ON	OFF	OFF	ON	OFF	ON	ON
46	ON	OFF	OFF	OFF	ON	OFF	ON	ON
47	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
48	ON	ON	ON	ON	OFF	OFF	ON	ON
49	OFF	ON	ON	ON	OFF	OFF	ON	ON
50	ON	OFF	ON	ON	OFF	OFF	ON	ON
51	OFF	OFF	ON	ON	OFF	OFF	ON	ON
52	ON	ON	OFF	ON	OFF	OFF	ON	ON
53	OFF	ON	OFF	ON	OFF	OFF	ON	ON
54	ON	OFF	OFF	ON	OFF	OFF	ON	ON
55	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
56	ON	ON	ON	OFF	OFF	OFF	ON	ON
57	OFF	ON	ON	OFF	OFF	OFF	ON	ON
58	ON	OFF	ON	OFF	OFF	OFF	ON	ON
59	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
60	ON	ON	OFF	OFF	OFF	OFF	ON	ON
61	OFF	ON	OFF	OFF	OFF	OFF	ON	ON
62	ON	OFF	OFF	OFF	OFF	OFF	ON	ON
63	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON

ADDRESS	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
64	ON	ON	ON	ON	ON	ON	OFF	ON
65	OFF	ON	ON	ON	ON	ON	OFF	ON
66	ON	OFF	ON	ON	ON	ON	OFF	ON
67	OFF	OFF	ON	ON	ON	ON	OFF	ON
68	ON	ON	OFF	ON	ON	ON	OFF	ON
69	OFF	ON	OFF	ON	ON	ON	OFF	ON
70	ON	OFF	OFF	ON	ON	ON	OFF	ON
71	OFF	OFF	OFF	ON	ON	ON	OFF	ON
72	ON	ON	ON	OFF	ON	ON	OFF	ON
73	OFF	ON	ON	OFF	ON	ON	OFF	ON
74	ON	OFF	ON	OFF	ON	ON	OFF	ON
75	OFF	OFF	ON	OFF	ON	ON	OFF	ON
76	ON	ON	OFF	OFF	ON	ON	OFF	ON
77	OFF	ON	OFF	OFF	ON	ON	OFF	ON
78	ON	OFF	OFF	OFF	ON	ON	OFF	ON
79	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
80	ON	ON	ON	ON	OFF	ON	OFF	ON
81	OFF	ON	ON	ON	OFF	ON	OFF	ON
82	ON	OFF	ON	ON	OFF	ON	OFF	ON
83	OFF	OFF	ON	ON	OFF	ON	OFF	ON
84	ON	ON	OFF	ON	OFF	ON	OFF	ON
85	OFF	ON	OFF	ON	OFF	ON	OFF	ON
86	ON	OFF	OFF	ON	OFF	ON	OFF	ON
87	OFF	OFF	OFF	ON	OFF	ON	OFF	ON
88	ON	ON	ON	OFF	OFF	ON	OFF	ON
89	OFF	ON	ON	OFF	OFF	ON	OFF	ON
90	ON	OFF	ON	OFF	OFF	ON	OFF	ON
91	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
92	ON	ON	OFF	OFF	OFF	ON	OFF	ON
93	OFF	ON	OFF	OFF	OFF	ON	OFF	ON
94	ON	OFF	OFF	OFF	OFF	ON	OFF	ON
95	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
96	ON	ON	ON	ON	ON	OFF	OFF	ON
97	OFF	ON	ON	ON	ON	OFF	OFF	ON
98	ON	OFF	ON	ON	ON	OFF	OFF	ON
99	OFF	OFF	ON	ON	ON	OFF	OFF	ON
100	ON	ON	OFF	ON	ON	OFF	OFF	ON
101	OFF	ON	OFF	ON	ON	OFF	OFF	ON
102	ON	OFF	OFF	ON	ON	OFF	OFF	ON
103	OFF	OFF	OFF	ON	ON	OFF	OFF	ON
104	ON	ON	ON	OFF	ON	OFF	OFF	ON
105	OFF	ON	ON	OFF	ON	OFF	OFF	ON
106	ON	OFF	ON	OFF	ON	OFF	OFF	ON
107	OFF	OFF	ON	OFF	ON	OFF	OFF	ON
108	ON	ON	OFF	OFF	ON	OFF	OFF	ON
109	OFF	ON	OFF	OFF	ON	OFF	OFF	ON
110	ON	OFF	OFF	OFF	ON	OFF	OFF	ON
111	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
112	ON	ON	ON	ON	OFF	OFF	OFF	ON
113	OFF	ON	ON	ON	OFF	OFF	OFF	ON
114	ON	OFF	ON	ON	OFF	OFF	OFF	ON
115	OFF	OFF	ON	ON	OFF	OFF	OFF	ON
116	ON	ON	OFF	ON	OFF	OFF	OFF	ON
117	OFF	ON	OFF	ON	OFF	OFF	OFF	ON
118	ON	OFF	OFF	ON	OFF	OFF	OFF	ON
119	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
120	ON	ON	ON	OFF	OFF	OFF	OFF	ON
121	OFF	ON	ON	OFF	OFF	OFF	OFF	ON
122	ON	OFF	ON	OFF	OFF	OFF	OFF	ON
123	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
124	ON	ON	OFF	OFF	OFF	OFF	OFF	ON
125	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON
126	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON
127	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON



Address DIP Switch Setting (Continued)

ADDRESS	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
128	ON	ON	ON	ON	ON	ON	ON	OFF
129	OFF	ON	ON	ON	ON	ON	ON	OFF
130	ON	OFF	ON	ON	ON	ON	ON	OFF
131	OFF	OFF	ON	ON	ON	ON	ON	OFF
132	ON	ON	OFF	ON	ON	ON	ON	OFF
133	OFF	ON	OFF	ON	ON	ON	ON	OFF
134	ON	ON	OFF	ON	ON	ON	ON	OFF
135	OFF	OFF	OFF	ON	ON	ON	ON	OFF
136	ON	ON	ON	OFF	ON	ON	ON	OFF
137	OFF	ON	ON	OFF	ON	ON	ON	OFF
138	ON	OFF	ON	OFF	ON	ON	ON	OFF
139	OFF	OFF	ON	OFF	ON	ON	ON	OFF
140	ON	ON	OFF	OFF	ON	ON	ON	OFF
141	OFF	ON	OFF	OFF	ON	ON	ON	OFF
142	ON	ON	OFF	OFF	ON	ON	ON	OFF
143	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
144	ON	ON	ON	ON	OFF	ON	ON	OFF
145	OFF	ON	ON	ON	OFF	ON	ON	OFF
146	ON	OFF	ON	ON	OFF	ON	ON	OFF
147	OFF	OFF	ON	ON	OFF	ON	ON	OFF
148	ON	ON	OFF	ON	OFF	ON	ON	OFF
149	OFF	ON	OFF	ON	OFF	ON	ON	OFF
150	ON	OFF	OFF	ON	OFF	ON	ON	OFF
151	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
152	ON	ON	ON	OFF	OFF	ON	ON	OFF
153	OFF	ON	ON	OFF	OFF	ON	ON	OFF
154	ON	OFF	ON	OFF	OFF	ON	ON	OFF
155	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
156	ON	ON	OFF	OFF	OFF	ON	ON	OFF
157	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
158	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
159	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
160	ON	ON	ON	ON	ON	OFF	ON	OFF
161	OFF	ON	ON	ON	ON	OFF	ON	OFF
162	ON	OFF	ON	ON	ON	OFF	ON	OFF
163	OFF	OFF	ON	ON	ON	OFF	ON	OFF
164	ON	ON	OFF	ON	ON	OFF	ON	OFF
165	OFF	ON	OFF	ON	ON	OFF	ON	OFF
166	ON	OFF	OFF	ON	ON	OFF	ON	OFF
167	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
168	ON	ON	ON	OFF	ON	OFF	ON	OFF
169	OFF	ON	ON	OFF	ON	OFF	ON	OFF
170	ON	OFF	ON	OFF	ON	OFF	ON	OFF
171	OFF	OFF	ON	OFF	ON	OFF	ON	OFF
172	ON	ON	OFF	OFF	ON	OFF	ON	OFF
173	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
174	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
175	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
176	ON	ON	ON	ON	OFF	OFF	ON	OFF
177	OFF	ON	ON	ON	OFF	OFF	ON	OFF
178	ON	OFF	ON	ON	OFF	OFF	ON	OFF
179	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
180	ON	ON	OFF	ON	OFF	OFF	ON	OFF
181	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
182	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
183	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
184	ON	ON	ON	OFF	OFF	OFF	ON	OFF
185	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
186	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
187	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
188	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
189	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
190	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
191	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF

ADDRESS	SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
192	ON	ON	ON	ON	ON	ON	OFF	OFF
193	OFF	ON	ON	ON	ON	ON	OFF	OFF
194	ON	OFF	ON	ON	ON	ON	OFF	OFF
195	OFF	OFF	ON	ON	ON	ON	OFF	OFF
196	ON	ON	OFF	ON	ON	ON	OFF	OFF
197	OFF	ON	OFF	ON	ON	ON	OFF	OFF
198	ON	OFF	OFF	ON	ON	ON	OFF	OFF
199	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
200	ON	ON	ON	OFF	ON	ON	OFF	OFF
201	OFF	ON	ON	OFF	ON	ON	OFF	OFF
202	ON	OFF	ON	OFF	ON	ON	OFF	OFF
203	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
204	ON	ON	OFF	OFF	ON	ON	OFF	OFF
205	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
206	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
207	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
208	ON	ON	ON	ON	OFF	ON	OFF	OFF
209	OFF	ON	ON	ON	OFF	ON	OFF	OFF
210	ON	OFF	ON	ON	OFF	ON	OFF	OFF
211	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
212	ON	ON	OFF	ON	OFF	ON	OFF	OFF
213	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
214	ON	OFF	OFF	ON	OFF	ON	OFF	OFF
215	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
216	ON	ON	ON	OFF	OFF	ON	OFF	OFF
217	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
218	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
219	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
220	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
221	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
222	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
223	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
224	ON	ON	ON	ON	ON	OFF	OFF	OFF
225	OFF	ON	ON	ON	ON	OFF	OFF	OFF
226	ON	OFF	ON	ON	ON	OFF	OFF	OFF
227	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
228	ON	ON	OFF	ON	ON	OFF	OFF	OFF
229	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
230	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
231	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
232	ON	ON	ON	OFF	ON	OFF	OFF	OFF
233	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
234	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
235	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
236	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
237	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
238	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
239	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
240	ON	ON	ON	ON	OFF	OFF	OFF	OFF
241	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
242	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
243	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
244	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
245	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
246	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
247	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
248	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
249	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
250	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
251								
252								
253								
254								
255								



Other Information

Like all electronic equipment, at the end of its working life this unit should not be disposed of in a refuse bin.

It should be taken to a local reprocessing site as per the guidelines of the WEEE directive, for correct disposal.



 XXXX	 XXXX
Zeta Alarms Limited 72-78 Morfa Road, Swansea, UK SA1 2EN	
25 xxxx-CPR-Fxxxx xxxx-CPR-Fxxxx	25 xxxx-UKCA-CPR-Fxxxx xxxx-UKCA-CPR-Fxxxx
EN 54-3:2014+A1:2019 Alarm Devices – Sounder Type A: For Indoor Use Type B: For Outdoor Use (With Weatherproof Backbox) R100-SA EN 54-3:2014 + A1:2019, EN 54-23: 2010 Alarm Devices – Sounder & VAD Type A: For Indoor Use Type B: For Outdoor Use (With Weatherproof Backbox) R100-SBA For other technical data: See document “Addressable R100 Product file” held by the manufacturer.	