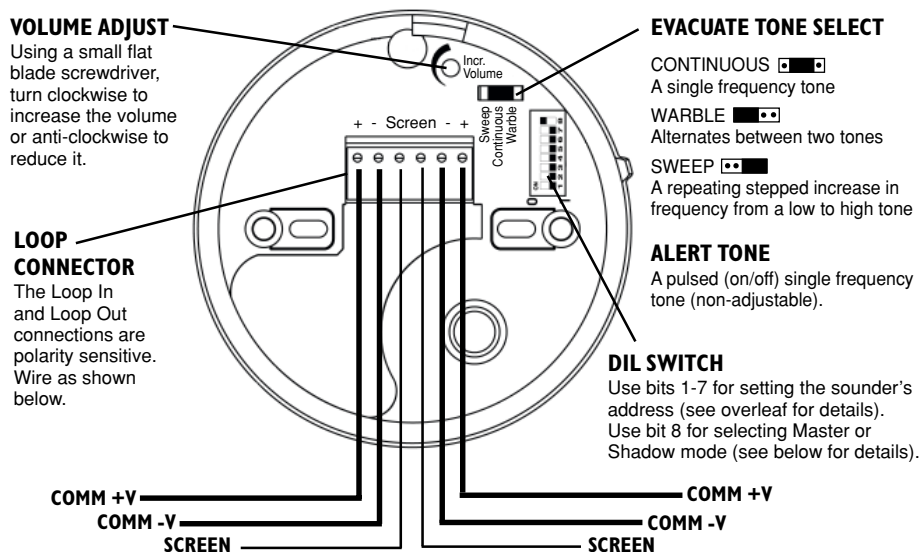


ADDRESSABLE LOOP POWERED SOUNDER

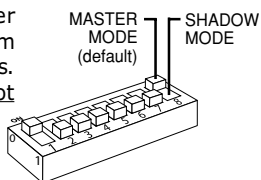
The BF330CR is designed for use with Apollo XP95, Series 90, Xplorer and/or Discovery compatible fire alarm control panels. It can be used as an interior surface mountable stand-alone unit (using a separately available white or red cap) or as part of an interior sounder/detector/base combination, with a compatible detector/base mounted upon it. For stand-alone use, use a BF330CRLIDR red cap or a BF330CRLIDW white cap. For combination use, note that the sounder's volume, address and tone controls will be obscured once the detector is in position. Ensure these are set prior to installation.

ENSURE THE SYSTEM IS COMPLETELY POWERED DOWN BEFORE ATTEMPTING ANY CONNECTIONS



MASTER/SHADOW MODE: The sounder can be configured to operate in Master or Shadow mode using bit 8 on the DIL switch.

In Master Mode (the default setting, shown right) the sounder behaves as an ordinary addressable device, listening to commands from the fire panel and reporting back its status for monitoring purposes. In Shadow Mode, the sounder behaves in the same way but does not report back its status. This allows multiple shadow devices to be set up with identical addresses without causing communication errors, a particularly useful feature on heavily populated systems.

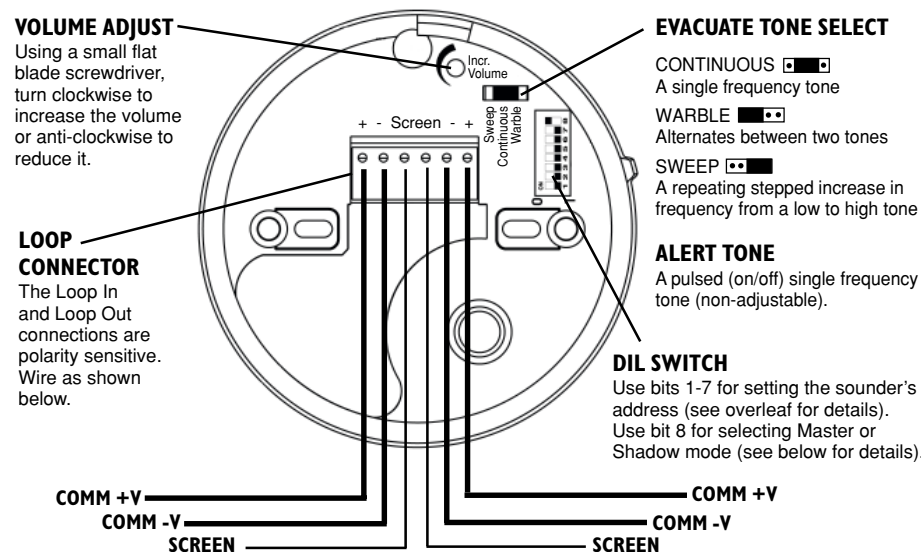


IMPORTANT: (1) If shadow devices are used, one BF330CR with the same address must be set up for Master mode operation. **(2)** Sounders set up for Shadow Mode operation are NOT monitored. **(3)** When designing the system, take into account the total quiescent and alarm current of the sounders and other devices.

ADDRESSABLE LOOP POWERED SOUNDER

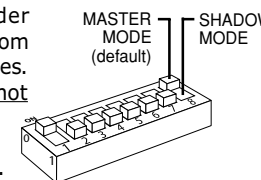
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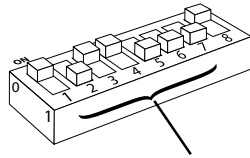
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ADDRESS SETTINGS: The sounder's address is set using bits 1 to 7 on the DIL switch provided. Its default address is 126. Alternative addresses can be set using the chart below. **DO NOT** use addresses 0 or 127.



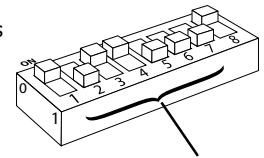
USE BITS 1-7 TO SELECT THE SOUNDER'S ADDRESS (114 IN THIS EXAMPLE)

- 1 = DIL switch in the OFF (open) position.
- 0 = DIL switch in the ON (closed) position.

(Important: Bit 8 on the DIL switch is used for setting the sounder up for master or shadow mode operation - see overleaf for details).

DIL SWITCH POSITION 1234567	DIL SWITCH POSITION 1234567	DIL SWITCH POSITION 1234567	
1	1000000	85	1010101
2	0100000	86	0011010
3	1100000	87	1110101
4	0010000	88	0001101
5	1010000	89	1001101
6	0110000	90	0101101
7	1110000	91	1101101
8	0001000	92	0011101
9	1001000	93	1011101
10	0101000	94	0111101
11	1101000	95	1111101
12	0011000	96	0000011
13	1011000	97	1000011
14	0111000	98	0100011
15	1111000	99	1100011
16	0000100	100	0010011
17	1000100	101	1010011
18	0100100	102	0110011
19	1100100	103	1110011
20	0010100	104	0001011
21	1010100	105	1001011
22	0110100	106	0101011
23	1110100	107	1101011
24	0001100	108	0011011
25	1001100	109	1011011
26	0101100	110	0111011
27	1101100	111	1111011
28	0011100	112	0000111
29	1011100	113	1000111
30	0111100	114	0100111
31	1111100	115	1100111
32	0000010	116	0010111
33	1000010	117	1010111
34	0100010	118	0110111
35	1100010	119	1110111
36	0010010	120	0001111
37	1010010	121	1001111
38	0110010	122	0101111
39	1110010	123	1101111
40	0001010	124	0011111
41	1001010	125	1011111
42	0101010	126	0111111

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DIL SWITCH POSITION 1234567	DIL SWITCH POSITION 1234567	DIL SWITCH POSITION 1234567	
1	1000000	43	1101010
2	0100000	44	0011010
3	1100000	45	1011010
4	0010000	46	0111010
5	1010000	47	1111010
6	0110000	48	0000110
7	1110000	49	1000110
8	0001000	50	0100110
9	1001000	51	1100110
10	0101000	52	0010110
11	1101000	53	1010110
12	0011000	54	0110110
13	1011000	55	1110110
14	0111000	56	0001110
15	1111000	57	1001110
16	0000100	58	0101110
17	1000100	59	1101110
18	0100100	60	0011110
19	1100100	61	1011110
20	0010100	62	0111110
21	1010100	63	1111110
22	0110100	64	0000001
23	1110100	65	1000001
24	0001100	66	0100001
25	1001100	67	1100001
26	0101100	68	0010001
27	1101100	69	1010001
28	0011100	70	0110001
29	1011100	71	1110001
30	0111100	72	0001001
31	1111100	73	1001001
32	0000010	74	0101001
33	1000010	75	1101001
34	0100010	76	0011001
35	1100010	77	1011001
36	0010010	78	0111001
37	1010010	79	1111001
38	0110010	80	0000101
39	1110010	81	1000101
40	0001010	82	0100101
41	1001010	83	1100101
42	0101010	84	0010101

TECHNICAL SPECIFICATION

Supply voltage: 18-28V	Typical quiescent current @ 24V: 800µA
Typical alarm current @ 24V: 7mA	Max. sound output @ 1 metre: 91dB
Dimensions: 106mm diameter; 25mm deep	Weight: 105g
Protection: IP42	

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