



CHANNEL

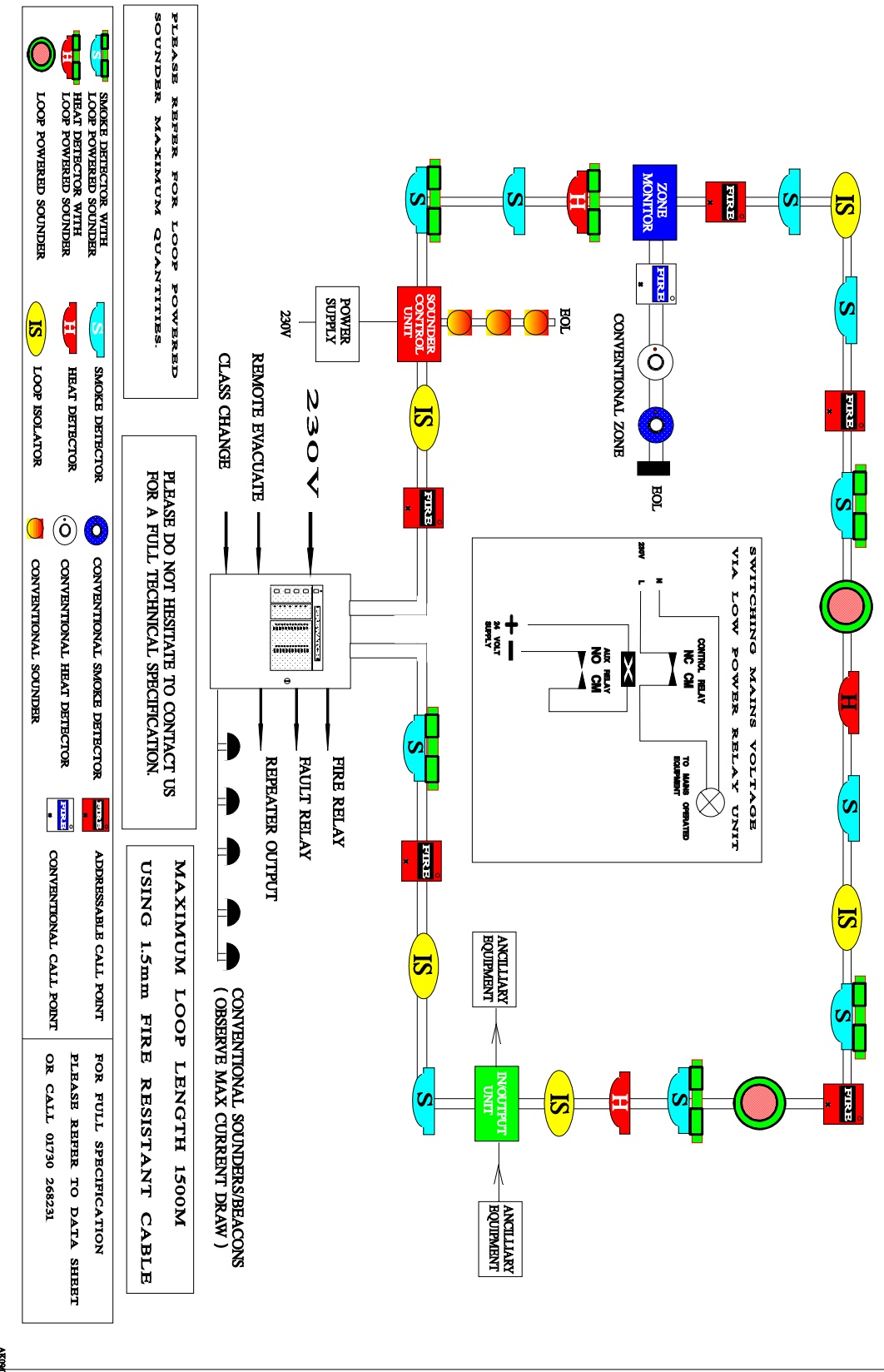
**FIREWATCH ANALOGUE
ADDRESSABLE FIRE
ALARM SYSTEM**

**BASIC INSTALLATION
INSTRUCTIONS**

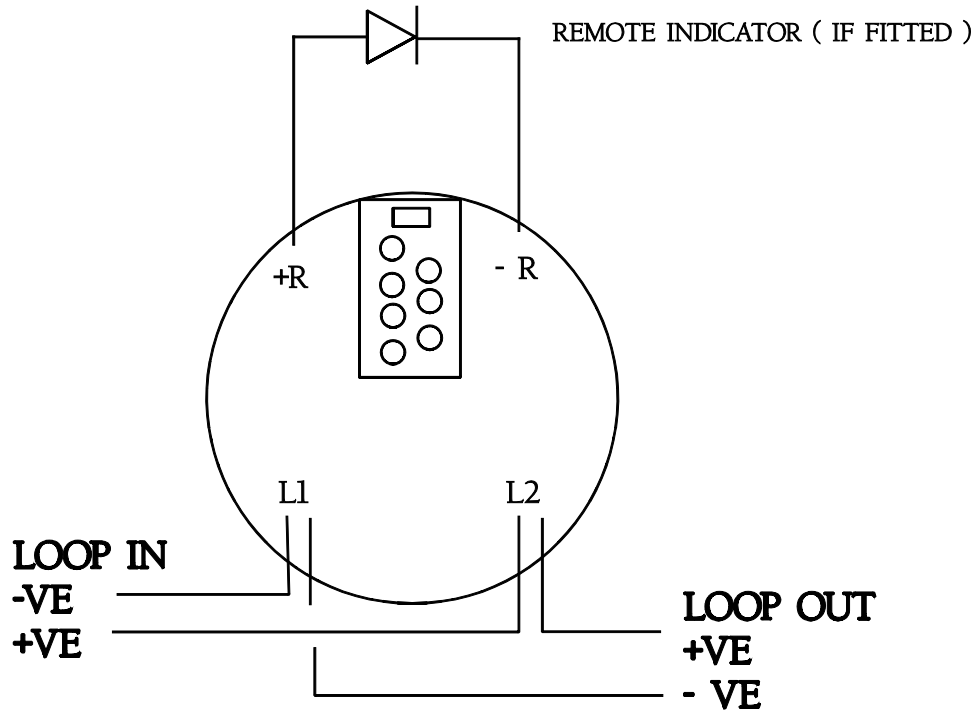
**REFER TO DETAILED INSTRUCTIONS
SUPPLIED WITH THE PANEL FOR FULL
DETAILS**

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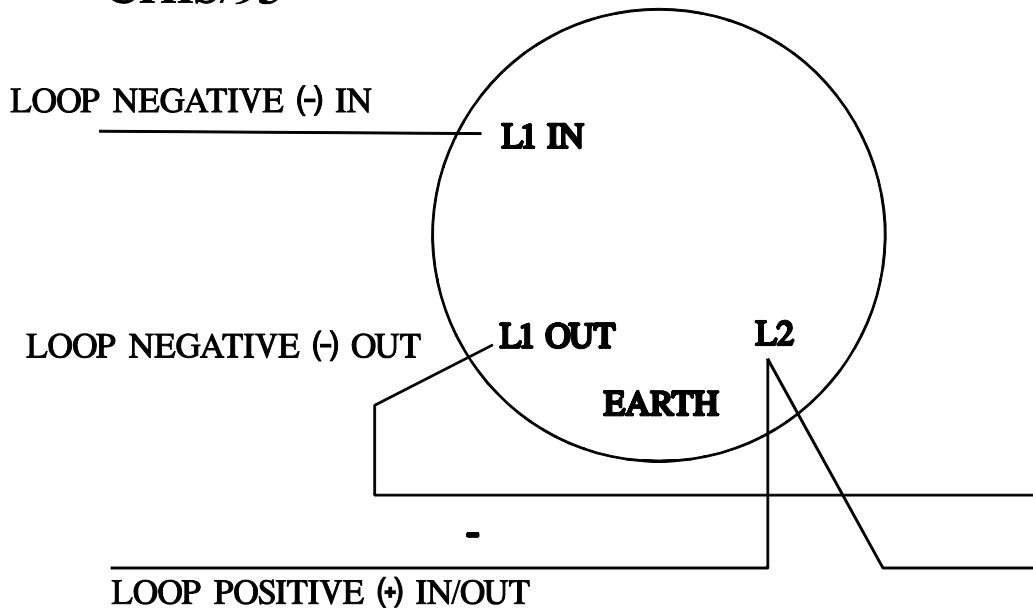
FIREWATCH SCHEMATIC WIRING DIAGRAM - 1 LOOP



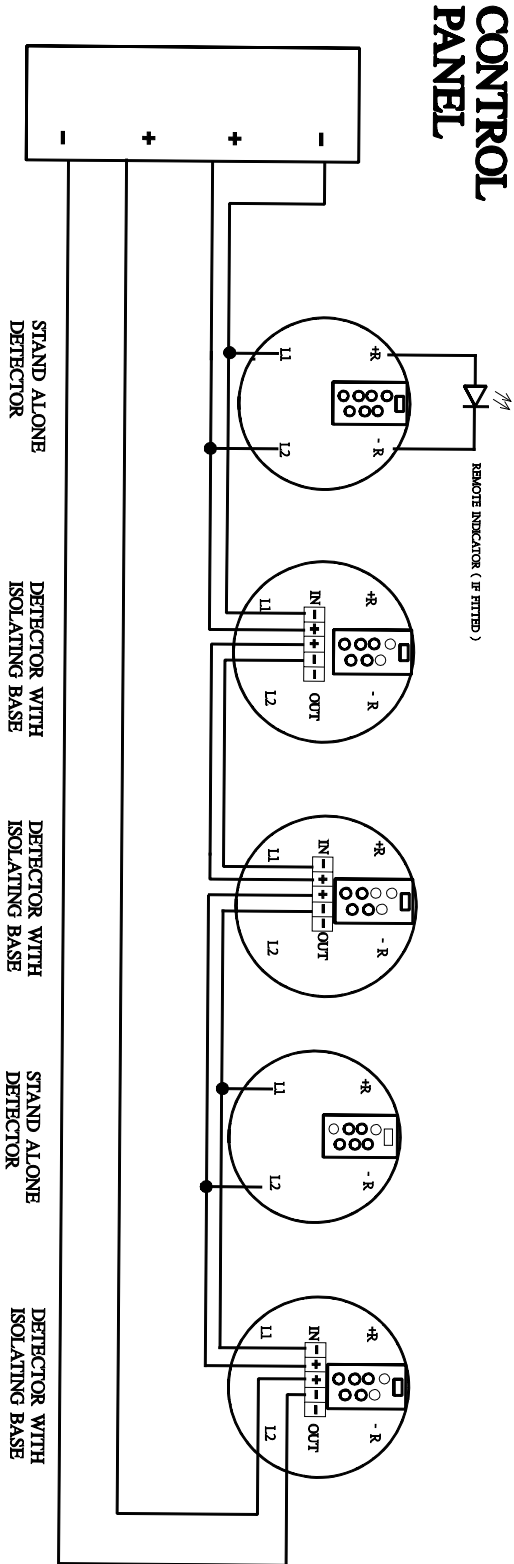
DETECTOR BASE CONNECTIONS



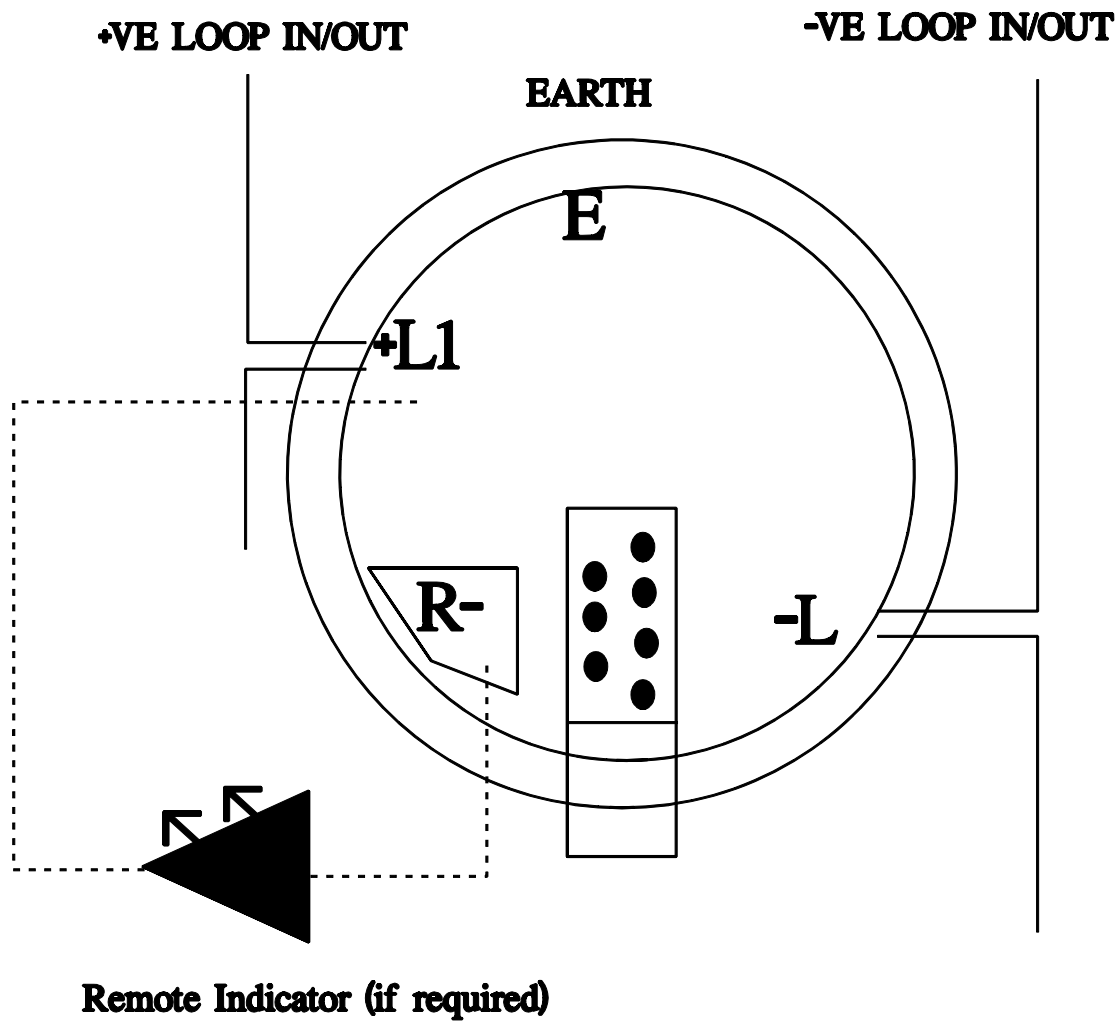
STAND ALONE LOOP ISOLATOR CHIS/95



TYPICAL LOOP USING BASE MOUNTED ISOLATORS CHIS/DB/95

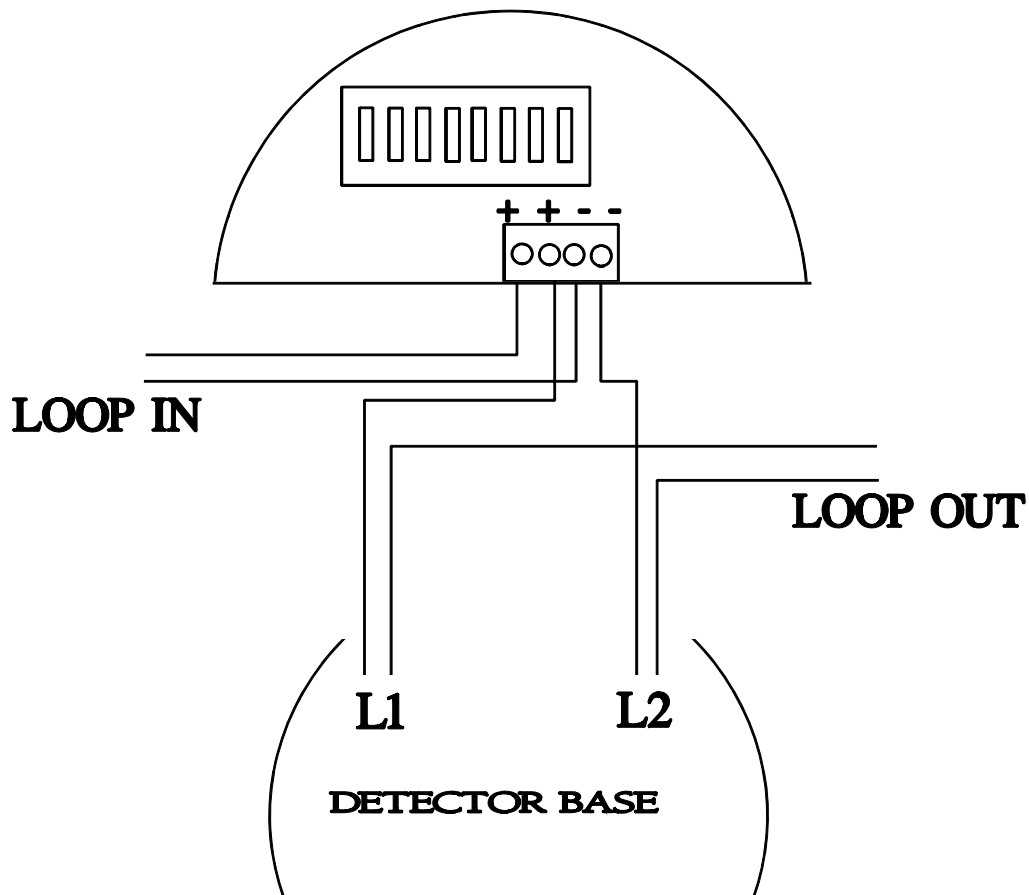


Xplorer Detector Base Wiring Details



**CHECK THAT THE SOUNDERS ARE THE LOOP POWERED TYPE !
CONVENTIONAL BELLS & SOUNDERS SHOULD NOT BE WIRED ON THE LOOP.**

**LOOP POWERED BASE SOUNDER (CHWB/D/95)
FOR FW4000 & FW5000 RANGE.**



SWITCH SETTINGS

Switches 1 - 5 are the address, all off = 94
add required number to add up to 125.
Switch 6 should be OFF.
Switch 7 & 8 (tone) should be OFF.

1	2	3	4	5	6	7	8
1	2	4	8	16	-	-	-

Firewatch 5001-Net - Loop Powered Sounders

Loop powered sounders for the above system are available in two modes, Fully Addressable & Shadow mode.

Fully Addressable – All sounders are given a unique reference number (address) between 94 & 125. Each sounder reports its status to the control panel and its analogue value can be monitored.

Full cause & effect is available.

Maximum number of fully addressable sounders – **32 per loop.**

Shadow Type – All sounders are addressed between 94 & 125, multiple sounders can be addressed to the same number.

Unless special cause & effect is required all sounders are usually set to address 94.

If special cause & effect is required then sounders or groups of sounders are given the appropriate address between 94 & 125.

Full cause & effect is available.

Maximum number of fully addressable sounders – **64 per loop.**

Switch settings

Switches 1-5 Regular addresses 94 –125 – All off = 94
Switch 6 MUST BE OFF
Switch 7&8 Sets sounder tone.
Both off = sweep
7 on, 8 off. = Alternate (2800-3500Hz)
7 off, 8 on. = Alternate sound (800-1000Hz)
7 & 8 On. = Continuous

Address switches 1-5 All off = 94

Switch 1 adds 1

Switch 2 adds 2 Example – Sounder 118 = 94+ Switches 4 (+8) & 5 (+16) =118

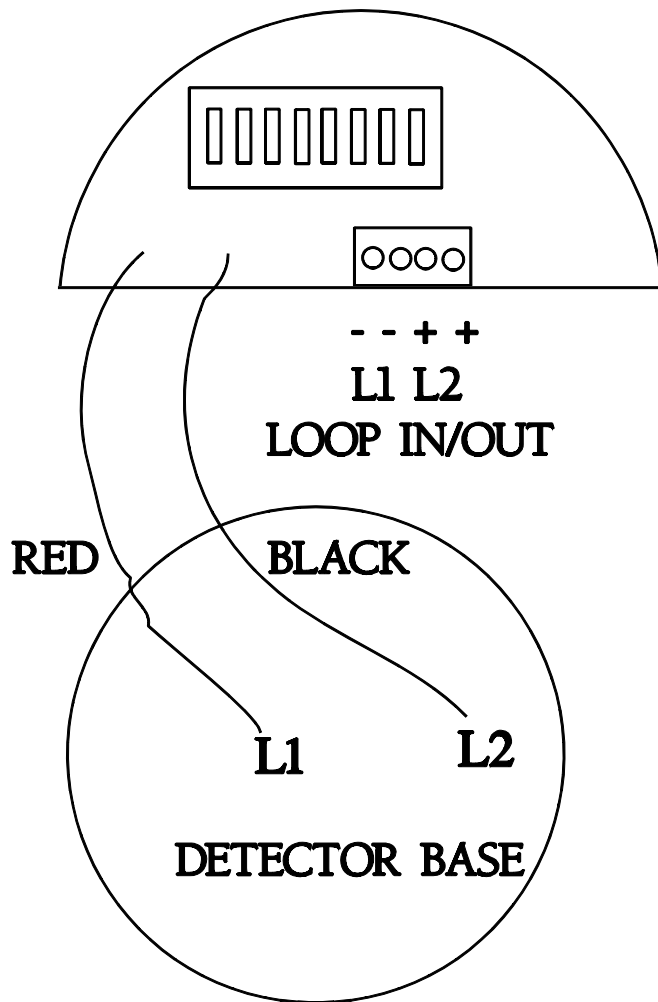
Switch 3 adds 4 Sounder 123 = 94 + Switch 1(+1), 3(+4), 4(+8), 5 (+16)

Switch 4 adds 8

Switch 5 adds 16

CHECK THAT THE SOUNDERS ARE THE LOOP POWERED TYPE !
 CONVENTIONAL BELLS & SOUNDERS SHOULD NOT BE WIRED ON THE LOOP.

BASE MOUNTED SOUNDER CHWB/D/95/A
 FOR FW3000, FW6000 & FW9001 RANGE

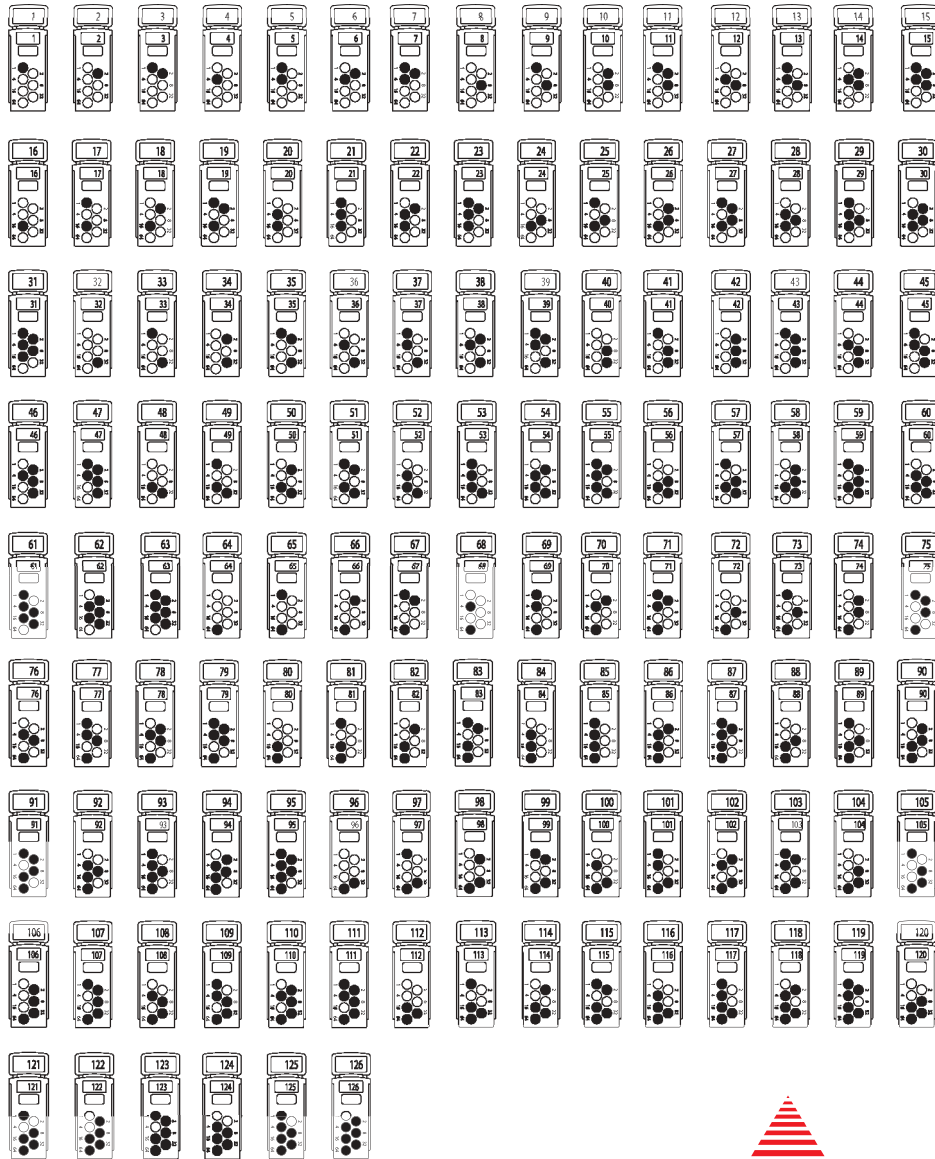


SWITCH SETTINGS

	1	2	3	4	5	6	7	8
ON =	1	2	4	8	16	32	64	dB (85/92dB)

XPERT card addressing for XP95 and Discovery

Select the desired address and remove the pips indicated in black. Remove pips with a small screwdriver.



Breakglass Coding.

Break glass units are coded using the standard binary system:

Switch:	1	2	3	4	5	6	7
Value:	1	2	4	8	16	32	64

Addresses are achieved by simply adding the values together & switching the appropriate switch.

Please note that 0 = ON 1 = OFF.

THE 0 & 1 ARE THOSE MARKED ON THE LABEL, NOT THE 'ON' MARKED ON THE SWITCH .

Example. To code a unit to address 7 – switch 1,2 & 3 on.
 To code a unit to address 8 – switch 4 on.
 To code a unit to address 55 – switch 1,2, 3, 5 & 6 on.

typical switch-on surge, 2s typical
 quiescent and alarm 750µA
 LED illuminated 400µA
 3mA

XP95 Address Setting

The address of the Manual Call Point is set using the DIL switch. All segments of the switch are set to 0 or 1, using a small screwdriver or similar tool.

A complete list of address settings is shown in the following table.

addr	DIL switch setting 1234567	addr	DIL switch setting 1234567	addr	DIL switch setting 1234567	addr	DIL switch setting 1234567	addr	DIL switch setting 1234567
1	1000000	11	1101000	21	1010100	31	1111100	41	1001010
2	0100000	12	0011000	22	0110100	32	0000010	42	0101010
3	1100000	13	1011000	23	1110100	33	1000010	43	1101010
4	0010000	14	0111000	24	0001100	34	0100010	44	0011010
5	1010000	15	1111000	25	1001100	35	1100010	45	1011010
6	0110000	16	0000100	26	0101100	36	0010010	46	0111010
7	1110000	17	1000100	27	1101100	37	1010010	47	1111010
8	0001000	18	0100100	28	0011100	38	0110010	48	0000110
9	1001000	19	1100100	29	1011100	39	1110010	49	1000110
10	0101000	20	0010100	30	0111100	40	0001010	50	0100110
51	1100110	61	1011110	71	1110001	81	1000101	91	1101101
52	0010110	62	0111110	72	0001001	82	0100101	92	0011101
53	1010110	63	1111110	73	1001001	83	1100101	93	1011101
54	0110110	64	0000001	74	0101001	84	0010101	94	0111101
55	1110110	65	1000001	75	1101001	85	1010101	95	1111101
56	0001110	66	0100001	76	0011001	86	0110101	96	0000011
57	1001110	67	1100001	77	1011001	87	1110101	97	1000011
58	0101110	68	0010001	78	0111001	88	0001101	98	0100011
59	1101110	69	1010001	79	1111001	89	1001101	99	1100011
60	0011110	70	0110001	80	0000101	90	0101101	100	0010011
101	1010011	106	0101011	111	1111011	116	0010111	121	1001111
102	0110011	107	1101011	112	0000111	117	1010111	122	0101111
103	1110011	108	0011011	113	1000111	118	0110111	123	1101111
104	0001011	109	1011011	114	0100111	119	1110111	124	0011111
105	1001011	110	0111011	115	1100111	120	0001111	125	1011111
								126	0111111

Commissioning

Ensure that a glass is fitted to each call point before testing. Use the test key provided to check the operation of each device. An XP95 Test Set, part no. 55000-870, may be used to carry out functional testing of individual units. The test set can also perform data integrity tests of an entire system.

Note: the test key must remain inserted for at least 2 seconds to ensure the correct CIE response.

LED Indicator

☉ Illuminated red (under CIE control) when call point is operated

Routine testing

Insert the test key into the hole at the bottom of the call point. Observe routine test requirements as specified in BS5839: Part 1 or the applicable local code.

Xplorer Breakglass Address Setting

The address of the Manual Call Point is set using the DIL switch. All segments of the switch are set to 0 (ON) or 1 (OFF), using a small screwdriver or similar tool.

A complete list of address settings is shown in the following table:

addr	DIL switch setting	addr	DIL switch setting	addr	DIL switch setting	addr	DIL switch setting
	123456		123456		123456		123456
64	000000	80	000010	96	000001	112	000011
65	100000	81	100010	97	100001	113	100011
66	010000	82	010010	98	010001	114	010011
67	110000	83	110010	99	110001	115	110011
68	001000	84	001010	100	001001	116	001011
69	101000	85	101010	101	101001	117	101011
70	011000	86	011010	102	011001	118	011011
71	111000	87	111010	103	111001	119	111011
72	000100	88	000110	104	000101	120	000111
73	100100	89	100110	105	100101	121	100111
74	010100	90	010110	106	010101	122	010111
75	110100	91	110110	107	110101	123	110111
76	001100	92	001110	108	001101	124	001111
77	101100	93	101110	109	101101	125	101111
78	011100	94	011110	110	011101	126	011111
79	111100	95	111110	111	111101		

Commissioning

Ensure that a glass is fitted to each call point before testing. Use the test key provided to check the operation of each device. A Test Set, part no. 55000-870, may be used to carry out functional testing of individual units. The test set can also perform data integrity tests of an entire system.

Note: the test key must remain inserted for at least 2 seconds to ensure the correct CIE response.

LED Indicator

- ⊙ Illuminated red (under CIE control) when call point is operated

Routine testing

Insert the test key into the hole at the bottom left of the call point. Observe routine test requirements as specified in BS5839: Part 1 or the applicable local code.