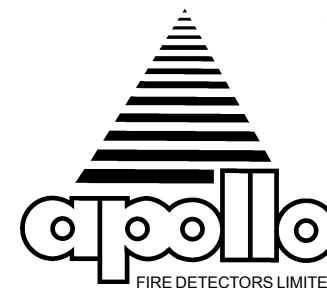


Functional Test Data

OUTPUT BIT	FUNCTION	INPUT BIT	FUNCTION
2	ILLUMINATE LED	2	LED ON CONFIRMED
1	ACTIVATE SELF TEST	1	1 = NORMAL/FAULT 0 = ALARM/SELF TEST ON
0	NOT USED	0	1 = ALARM/SELF TEST ON 0 = NORMAL/FAULT



Troubleshooting

Before investigating faults on the Mini Switch Monitor (Interrupt), check all connections to the unit and the wiring of the system. Many faults are caused by simple wiring errors. Earth faults on a data loop or ancillary zone wiring may cause communication errors. Make sure that correct value end-of-line resistors are fitted and/or compatible manual call points are in use.

Fault Finding

Problem	Possible Cause
No response or missing	Incorrect address setting Incorrect loop wiring
Fault reported	Incorrect loop wiring
Analogue value unstable	Dual address Loop fault, data corruption
Constant alarm	Incorrect end-of-line resistor Incorrect wiring Faulty manual call point

XP95 Mini Switch Monitor (Interrupt) Installation Guide

The Mini Switch Monitor (Interrupt), part no 55000-832, monitors the state of one or more single-pole volt-free contacts and may be used in installations where space is limited. An end-of-line resistor of 20kΩ should be fitted to the monitored circuit.

The unit has colour-coded flying leads and can be wired into a circuit without any mounting or support, but may be secured to a suitable clean, flat surface by good quality double-sided sticky tape.

Connection to the flying leads should be made via suitable terminal blocks. If a remote LED is fitted, a six-way terminal block is needed, otherwise four ways are enough.

The Mini Switch Monitor (Interrupt) has an alarm LED and should be correctly orientated if the LED is to be visible.

There are two wiring option for the device as shown in Figs 1 and 2.

Use a small screwdriver or similar tool to set the unit address on the address switch. Segments, numbered 1 to 7, must be set to 0 or 1 in accordance with the address table. An adhesive label is provided to cover the aperture through which the DIL switch is accessed. *The label must be fitted to ensure proper protection of the internal circuitry.* Failure to fit the lable invalidates the IP rating. The setting of the switch should be written on the label.

Wiring options for the Mini Switch Monitor (Interrupt)

Fig. 1 – Fire contacts

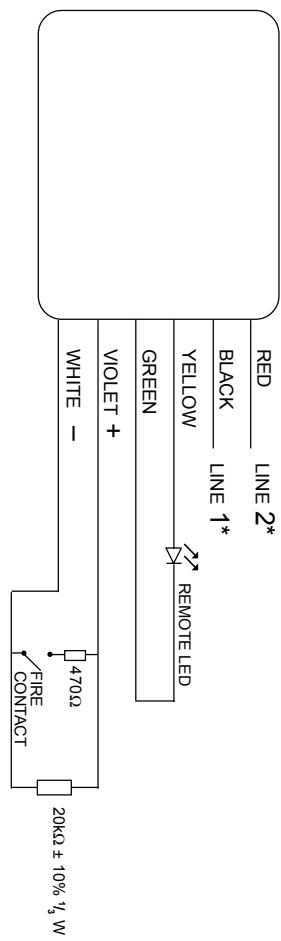
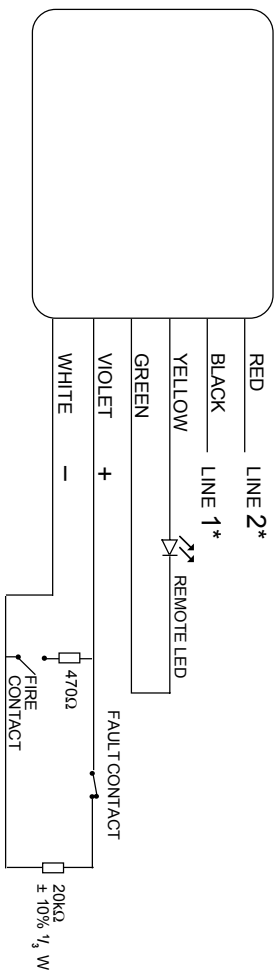


Fig. 2 – Fire and fault contacts



* L1 and L2 are polarity insensitive, but, for the sake of consistency it is recommended that L1 be kept negative

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	111	1111011	121	1001111				
102	0110011	112	0000111	122	0101111				
103	1110011	113	1000111	123	1101111				
104	0001011	114	0100111	124	0011111				
105	1001011	115	1100111	125	1011111				
106	0101011	116	0010111	126	0111111				
107	1101011	117	1010111						
108	0011011	118	0110111						
109	1011011	119	1110111						
110	0111011	120	0001111						