

Troubleshooting

Before investigating individual units for faults, it is important to check that the system wiring is fault free. Earth faults on data loops or interface zone wiring may cause communication errors.

Many fault conditions are the result of simple wiring errors. Check all connections to the unit.

Fault finding

Problem	Possible Cause
No response or missing	Incorrect address setting Incorrect loop wiring
Alarm condition	Glass incorrectly fitted or broken Test key not removed

For further information on XPlorer products, see Technical Guide PP2098



XPlorer Manual Call Point Installation Guide

General

The XPlorer Manual Call Point, part no. **59000-910**, is designed for surface mounting.

The address of the unit is set using the DIL switch - see table overleaf.

The installation must conform to BS5839: Part 1 (or applicable local codes). *This manual call point is suitable for indoor use only.*

Installation

1. Fit the backbox to the wall (Fig 1). For correct orientation see arrows inside backbox.

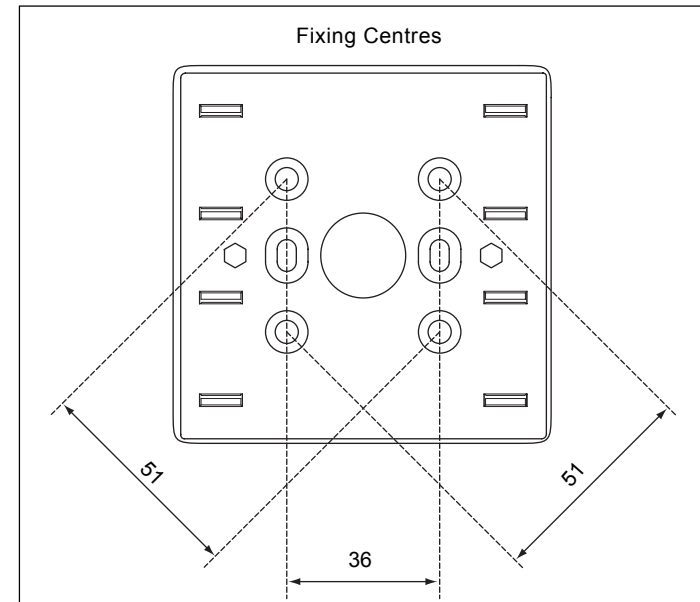


Fig 1 Rear view of backbox

- Run the cables from the XPlorer loop into the box and connect them as shown in Fig 2. Ensure that loop earth continuity is maintained.

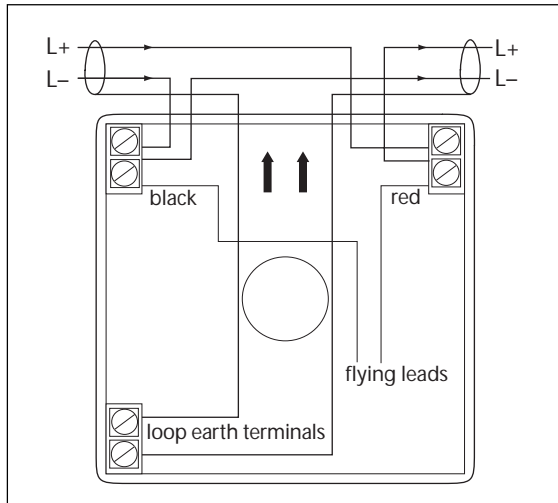


Fig 2 Connection Diagram

- Continuity tests should be carried out before fitting the call point as described in step 5.
- Set the unit address on the DIL switch in accordance with the address table opposite. Peel the backing from the label and stick it down.
- Separate the front cover and the electronics cradle using the two lugs of the test key as shown in Fig 3. Connect all cables as shown in Fig 2, secure the call point to the backbox and check that the glass is fitted. Finally, replace the front cover.

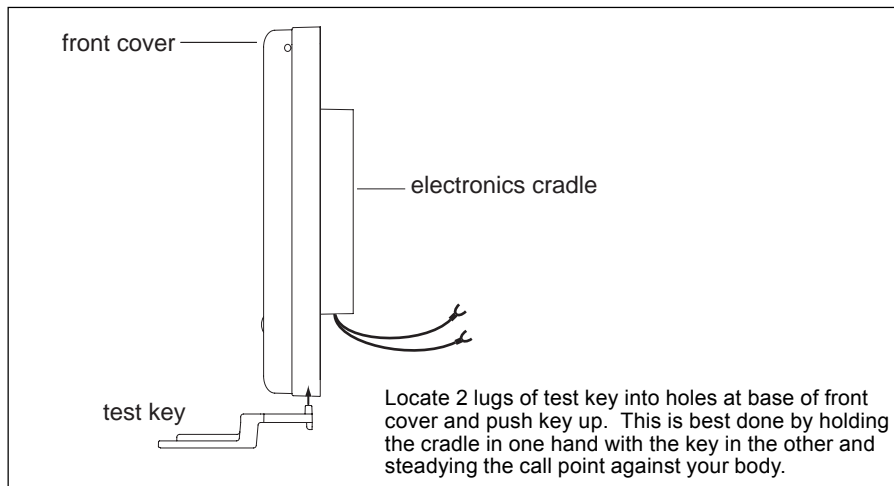


Fig 3 Separating front cover and electronics cradle

Wiring Details

All wiring terminals accept solid or stranded cables up to 2.5mm².

Maximum Loop Current Consumption at 24V

typical switch-on surge, 2s	typical	650µA
quiescent and alarm		270µA
LED illuminated		1mA

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	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.