



IO950I

950 Series IO Unit with Isolator

General

The IO950I is a 950 series loop powered, addressable module that provides a voltage free, single pole, change-over relay output, a single, monitored switch input and an unmonitored, non-polarised opto-coupled input. It can report fault, switch open and switch closed conditions and is housed in a standard housing.

Construction

The IO950I is designed to be surface mounted to wall and consists of 3 parts:

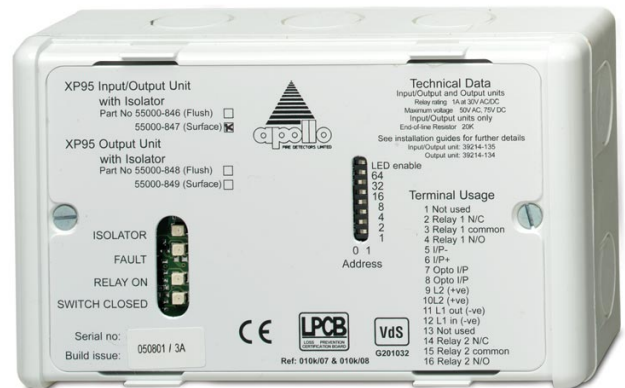
- a back box with knock-outs for cable entry
- a PCB assembly
- a protective front cover

Special Functions

The IO950I is fitted with a bi-directional, short-circuit isolator and is thus unaffected by a single short circuit on either loop input or output.

Approvals

The IO950I is CPD certified.



Standard Features

- Aesthetically pleasing
- Loop powered
- Supervise one or more NO switches on a single cable pair
- Local LEDs signalling I/O and fault conditions
- Bi-directional isolator fitted
- Part of a complete line of IO units

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Specifications

Supply voltage	17-28 VDC
Protocol voltage	5-9 V
Current consumption	
Switch on surge	3.5 mA
Quiescent (20kOhm)	1.25 mA
Relay & LED ON	2.5 mA
Alarm	3.5 mA
Supervised Input	
Switch monitoring	9-11 VDC
Input cable resistance (max)	50 Ohm
Output	
Relay contact rating	1A @ 30 VAC/VDC
On resistance	0.2 Ohm
Opto-coupled input	
Voltage (max)	35 V
Impedance	10 kOhm
Environmental	
Operating temperature	-20°C to +70°C
Relative humidity	0-95%
Ingress protection	IP54
Physical	
Dimensions	150 x 90 x 48 mm
Weight	240 g

Ordering Information

Part No.	Description
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