



## Product Data Sheet

# II953D

## 950 Series Switch Monitor Unit Plus - DIN Mount

### II951 Mini Switch Monitor with Interrupt

The II951 is designed to monitor the state of one or more single pole switches connected on a single pair of cables. It provides normal, fault, pre-alarm and alarm output states, and has flying leads for connection to the loop, the switch circuit and a remote LED. Because of its size, the II951 may easily be incorporated into other equipment. It provides a fast acting input a built in interrupt facility. It is often used to monitor equipment where a fast response is required.

### II952D/II952I Switch Monitors

The II952D DIN-rail unit is designed to monitor the state of one or more single pole, volt free contacts connected on a single pair of cables and to report the status to 950 series compatible analogue control equipment.

The II952I comprises a three-piece housing. It is designed for ease of installation as well as a high degree of protection to the PCB. The function of the II952I is identical to that of the II952D, but it also includes an on board loop isolator.

### II953D/II953I Switch Monitor Plus

The II953D is designed to monitor the state of one or more single pole, volt free contacts connected on a single pair of cables and to report the status to 950 series compatible analogue control equipment. It has an output for resetting a remote detector and a selectable alarm delay, making it suitable for monitoring flow switches.

The II952I is a surface mount unit and also includes a built in isolator.

### II955D/II955I Zone Monitors with Isolator

The II955D DIN-rail Zone Monitor powers and controls the operation of a zone of up to 20 conventional fire detectors from a loop of 950 series addressable detectors and ancillary devices. The II955I is the surface mount version of the same product.

### IO950I Input/Output Unit with Isolator

The IO950I provides a loop-powered relay output, a monitored input and an un-monitored opto-coupled input. It can report fault, switch open and switch closed condition. It uses the standard housing.



### Standard Features

- Loop powered
- A complete line of IO units
- LEDs for signalling of I/O and fault condition
- Aesthetically pleasing
- On board loop isolators
- DIN rail mounted options available

# II953D

## 950 Series Switch Monitor Unit Plus - DIN Mount

### Specifications

Supply voltage	17 - 28 VDC
Current consumption @ 24 VDC	
Switch on surge (65 ms)	2.5 mA
Quiescent ( with 20kOhm EOL)	730microA
Input short circuit	3.5 mA
LED off, switch input closed	1.3 mA
LED on, switch input closed	3.4 mA
LED on, switch input short circuit	5.6 mA
Opto output	
Output voltage range	5 - 30 VDC
Current	1 mA
Switch monitoring	9 - 11 VDC
Maximum cable resistance	50 Ohm
Operating temperature	-20°C to +70°C
Relative humidity (no condensation)	0 - 95%
Ingress protection	IP10

### Ordering Information

Part No.	Description
II953D	950 Series Switch Monitor Unit Plus - DIN Mount

### IO955I Output Unit with Isolator

The IO955 is a simplified version of the IO950I. Circuitry for the inputs is not provided.

### IO956I Sounder Control Unit with Isolator

The IO956I is designed to control sounders powered by an external DC supply. Sounders are switched continuously or pulsed, and may be synchronised. IO956I units at different addresses may be controlled individually or in selectable groups.

