



Product Data Sheet

II953I

950 Series Switch Monitor Unit Plus with Isolator - Surface Mount

II950 Mini Switch Monitor

This II950 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 out states, and has flying leads for connection to the loop, the switch circuit and a remote LED. Because of its size, the II950 may easily be incorporated into other equipment.

II951 Mini Switch Monitor (Interrupt)

This device performs the same task as the II950, but incorporates an interrupt driven, fast response time. It is often used to monitor equipment where a fast response is required and will not give a pre-alarm signal.

II952I Switch Monitor with Isolator

The II952I comprises a three-piece housing. The PCB with electronic circuitry on one side and the connecting blocks on the other is designed for ease of installation as well as gives a high degree of protection to the PCB. The function of the II952I is identical to that of the II950, but it also includes an on board loop isolator.

II953I Switch Monitor Plus with Isolator

Identical in appearance to the II952I, this product incorporates circuitry to monitor flow switches on a time delay. A reset facility allows the monitor of stand alone devices such as beam detectors.

II955I Zone Monitor with Isolator

The II955I powers and controls the operation of a zone of conventional detectors directly from the analogue loop. Provision is made for the inclusion of an active end-of-line devices. The mechanical design is identical to that of the II952I.

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.

IO955I Output Unit with Isolator

The IO955I is a simplified version of the IO950I. Circuitry for the inputs is not provided.



Standard Features

- Loop powered
- Full line: Switch monitors, Zone monitors, Input/output unit, Output unit, Sounder circuit controller
- LEDs for signalling of I/O and fault condition
- Aesthetically pleasing
- On board loop isolators

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Specifications

Supply voltage	14-28 Vdc
Current consumption	
Quiescent (20kOhm)	730microA
Led /relay on	5.6 mA
Switch on surge	2.5 mA
Switch monitoring	9-11 Vdc
Operating temperature	-20/+70°C
Relative humidity	0-95%
Ingress protection	IP54

Ordering Information

Part No.	Description
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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.

