

FOR ALL ASPECTS OF INTELLIGENT FIRE SYSTEMS

interfaces

FOR INTELLIGENT SYSTEMS



- Easy to install
- Well protected
- Modular design
- A neat solution



Modular interfaces - a neat solution for all aspects of intelligent fire systems

Fire protection systems can be engineered simply and effectively without the need for custom-designed equipment. A variety of interfaces for intelligent systems are available to suit individual applications.

Standard interfaces are designed to be surface mounted to walls and consist of three parts: a backbox with knockouts for cable entry, a PCB assembly and a protective front cover. With the exception of the Mains Switching Input/Output Unit, the standard interfaces are fitted with a bi-directional short-circuit isolator thus unaffected by a single short-circuit on either loop input or output.

Dimensions: 150x90x48mm

All Apollo standard interfaces comply with the Construction Products Directive.

Miniature interfaces (with flying leads) use very compact enclosures for installation into other equipment. They are fitted with flying leads and need no installation screws or brackets.

Dimensions: 76x47x14mm

Mini Switch Monitor is an interface in an entirely new housing, ideal for space limited applications. The unit can be fitted directly onto a standard 35mm DIN-Rail or mounted within an enclosure eg. manual call point. It 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 Apollo compatible analogue control equipment.

The Mini Switch Monitor complies with the Construction Products Directive.

DIN-Rail interfaces feature enclosures that clip onto a standard 35mm DIN rail (DIN 46277) or are screwed to the base of a larger enclosure. They enable fire systems designers to achieve the functions required and create multi-purpose interfaces for individual sites.

Dimensions: 110x107x20mm

All Apollo DIN-Rail interfaces, mounted within a suitable enclosure, comply with the Construction Products Directive.

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Switch Monitor

Designed to monitor the state of one or more single-pole, volt-free contacts connected on a single pair of cables. Reports open and short-circuit faults on the circuit. The device produces four input states: normal, fault, pre-alarm, and alarm.

 **55000-843**

 **55000-822**

Mini Switch Monitor

The Mini Switch Monitors perform the same function as the Switch Monitor.

DIN-Rail mounted


Housed within a new miniature enclosure, it is ideal for space limited applications. The Mini Switch Monitor is isolated as standard. It can be configured as an Interrupt or non-Interrupt device. The device produces four input states: normal, fault, pre-alarm and alarm. Three separate LEDs give clear status indication.


 **55000-760**

Mini Switch Monitor with flying leads (Interrupt and Non-Interrupt)

Housed within a compact enclosure, the devices are fitted with flying leads.

In addition, the interrupt version incorporates a fast response facility as featured in the Apollo addressable manual call point range. It is used to monitor equipment where a fast response is required. It has no pre-alarm signal facility.

 **55000-832 (Interrupt)**

 **55000-833 (Non-Interrupt)**

Switch Monitor Plus

This product has the same functionality as the standard Switch Monitor. In addition it has a selectable delay making it suitable for monitoring flow switches. The Switch Monitor Plus also has an opto-coupled output for resetting a remote detector.

 **55000-841**

 **55000-821**

Zone Monitor

The Zone Monitor powers and controls the operation of a zone of conventional detectors. This device has an input voltage derived from the analogue loop, provision is made for the inclusion of a standard or active end-of-line device.


 **55000-845**

 **55000-812**

Sounder Controller

This unit is designed to control a zone of sounders powered by an external DC supply. The sounders will be switched to sound continuously or be pulsed, 1s on 1s off. The Sounder Controllers at different addresses may be controlled individually or in selectable groups and have a facility for synchronising the outputs, when being pulsed.

 **55000-852**

 **55000-182 (5 Amperes)**

Input/Output Unit

This unit provides a loop-powered relay, a monitored input and an unmonitored opto-coupled input. It can report fault, switch open and switch closed levels.

 **55000-847**

 **55000-803**

Output Unit

The Output Unit is a simplified version of the Input/Output Unit without the circuitry for monitoring inputs.

 **55000-849**

 **55000-804**

Dual Isolator

The Dual Isolator provides two independent isolators which sense and isolate short circuits on XP95 and Discovery loops and spurs.

 **55000-802**

Mains Switching Input/Output Unit

The Mains Switching Input/Output Unit provides a voltage-free, single pole change-over relay output and a monitored switch input. This unit is designed to switch equipment operating at 230V AC, thus obviating the need for an intermediate relay and a power supply.

 **55000-875**

 **55000-797**

Three Channel Input/Output Unit

The Three Channel Input/Output Unit provides three voltage-free, single pole, change-over relay outputs and three monitored switch inputs.

Please note this product is supplied in a special enclosure.

 **55000-588**

Legend



Standard Interface



DIN-Rail Interface



Mini Switch Monitor with Flying Leads



Mini Switch Monitor DIN-Rail mounted



Three Channel Input/Output Unit

Modular interfaces - a neat solution

PIN sheets which give full technical information are available on request or from the website www.apollo-fire.co.uk

	Standard Interface	DIN-Rail Interface	Miniature Interface
Switch Monitor	PP2084	PP2048	–
Mini Switch Monitor	–	PP2282	PP2021
Mini Switch Monitor with Interrupt	–	–	PP2020
Switch Monitor Plus	PP2083	PP2047	–
Zone Monitor	PP2101	PP2049	–
Sounder Controller	PP2094	PP2050	–
Input/Output Unit	PP2092	PP2045	–
Output Unit	PP2093	PP2046	–
Dual Isolator	–	PP2051	–
Mains Switching Input/Output Unit	PP2107	PP2350	–
Three Channel Input/Output Unit	PP2121	–	–

In addition, installation guides are packed with each product.

With the exception of the Mains Switching Input/Output Unit Apollo's range of standard interfaces without isolators has been discontinued. The alternatives are listed below.

Comparison chart

Product Name	Part Number	
	Without Isolator	With Isolator
Input/Output Unit	55000-818	55000-847
Three Channel Input/Output Unit	55000-589	55000-588
Output Unit	55000-819	55000-849
Sounder Control Unit	55000-823	55000-852
Switch Monitor	55000-810	55000-843
Switch Monitor Plus	55000-809	55000-841
Zone Monitor	55000-813	55000-845

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