Ziton

'A' series
Interface modules

GE imagination at work

In complete control . . . .

'A' SERIES MODULES OFFER AN EXTENSIVE RANGE OF CONTROL OPTIONS FOR OPERATING ASSOCIATED EQUIPMENT FROM SIGNALS PROVIDED BY THE FIRE DETECTION SYSTEM – BOTH INPUT MODULES AND OUTPUT MODULES CAN BE PROGRAMMED TO ACCEPT OR PROVIDE CONTROL SIGNALS FOR BUILDING MANAGEMENT EQUIPMENT, OTHER FIRE DETECTION FACILITIES OR SECURITY SYSTEMS.

The 'A' series range of interface devices has been developed especially to provide control of building systems in the event of fire. Used extensively in installations of all sizes the units enable automatic action – for example outputs for shutting down air conditioning plant, or returning elevators to ground level, in fire alarm conditions – or inputs receiving incoming signals from other fire protection equipment, for processing and action by the main control panel.

Where applicable units comply with the requirements of EN54 Part 18 and have been fully approved by international certification boards.

Installed directly onto the fire alarm loop wiring, each module carries it's own unique system address – which is scanned by the control panel every two seconds. Used in conjunction with the wide range of analogue addressable sensing devices – A series modules can operate either singularly or in groups to provide the most sophisticated cause and effect operations.

Fully miniaturised and DIN rail mounted, the range is intended either for installation inside the cabinets of third party control equipment, or housed adjacently using either the ZP7-I/O or the SMB-DIN ranges of enclosures – therefore greatly reducing interface cable runs.

< A45E-2 input module

The unit is installed directly onto the ZP loop wiring, carries a system address and enables signals from associated equipment to be interfaced into the fire alarm system. Input signals are fully displayed at the control panel and can be programmed to activate any system output.

By routing loop wiring and installing interfaces adjacent to input equipment, system integrity is increased and the need for long, spur wiring between equipment terminals and the fire alarm interface is eliminated.

Complying with EN54 Part 18 the A45E-2 can be installed singularly, or used in groups to provide multiway inputs from equipment such as volt free, zonal outputs from conventional fire alarm systems or flow valves from sprinkler installations.

A50E-2 relay

The A50E-2 is an addressable relay providing single pole, volt free, change over contacts. Complying with EN54 Part 18, the relays can be located anywhere on the two core ZP loop and are designed for power up or shut down of building services, for example air conditioning plant, in fire conditions.

The unit is ideal for the control of associated system equipment such as door release circuits, or the emergency shutdown of high risk services, for instance gas or oil supply valves in boiler rooms.

A51E mains relay

The A51E is an addressable relay providing double pole, volt free, change over contacts, rated to switch local mains supplies.

Complying with EN54 Part 18, the relays can be located anywhere on the two core ZP loop and are designed for power up or shut down of the mains electrical supply to ancillary equipment.

Popular applications include the control of mains powered system equipment such as magnetic door release circuits, extract fans and dampers.

A60E-2 line isolator

The A60E-2 line isolator provides short circuit protection, for analogue addressable loop wiring. Isolators are connected at intervals along the length of the loop, dividing the wiring into a series of separate monitored sections.

A maximum of 11 isolator units can be connected to each loop, to meet the requirements of EN54 Pt2.

In the event of a short circuit wiring fault, isolators disconnect only the section of cable between the two isolators, located electrically closest to the fault. Devices outside the disconnected section continue to operate normally.

Open circuit faults are automatically isolated by the control panel, which then operates from both ends running the line as two spurs and retaining full connection to all devices.

A70E-2 Conventional Zone interface

The A70E-2 zone interface is fully loop powered and enables existing or new conventional zones to be interfaced to an analogue system, allowing all areas of a site to be controlled by the ZP analogue panel.

Through its interface, each zone is assigned a unique address, Zones are monitored for fire and fault conditions and status is reported to the ZP control panel every two seconds.

A maximum of 127 interface units can be installed on each loop - subject of course to other loop loading.

In conjunction with appropriate barrier units the A70E-2 provides a direct loop interface for the DP and DT ranges of intrinsically safe smoke and heat detectors.

ZP7-I/O single module box

Providing a protective means of surface mounting a single A series module – the unit is designed for first and second fix installation. The open back box contains all wiring terminals, modules are clipped to the rear of the front plate and connected by flying leads to the back box terminals. Compatible with A45, A50 and A60 modules.

SMB-DIN1 and SMB-DIN2 enclosures

Compatible with all A series modules - the SMB-DIN1 – accommodates two single width or one double width module and the SMB-DIN2 – accommodates four single width or two double width modules.

The boxes are pre-fitted with DIN rail for direct mounting of any 'A' series module and are IP66 rated.

GE Security UK Ltd
8 Newmarket Court
Chippenham Drive
Kingston
Milton Keynes
MK10 0AQ
England
Tel: +44 (0)1908 281981
Fax: +44 (0)1908 282554

GE Security (Africa)
555 Voortrekker Road
Maitland 7405
PO Box 181
Maitland 7404
Cape Town
South Africa
Tel: +27 (0)21 506 6000
Fax: +27 (0)21 506 6100

GE Security (Africa)
27 Angus Crescent
Longmeadow Business Park East
Edenvale, 1609
PO Box 5078
Edenvale, 1614
Johannesburg
South Africa
Tel: +27 11 579 7300
Fax: + 27 11 579 7301

www.ziton.com
www.gesecurity.eu