



ZP3

Fire Detection Systems



Building the system you need

ZP3 TAKES ANALOGUE ADDRESSABLE FIRE DETECTION INTO NEW DIMENSIONS. BASED ON ADVANCED TECHNOLOGY, STATE OF THE ART SENSING TECHNIQUES AND SPECIALLY DESIGNED SOFTWARE THAT FEATURES BUILT IN RELIABILITY AND COMPLETE PEACE OF MIND.

Advanced panel design, combined with high sensitivity smoke and fire sensing, enables ZP3 not only to identify and disregard conditions, which would result in false or unwanted alarms - but to recognise real fires sooner - limiting inconvenience and reducing downtime to a minimum.

Scaleable in every aspect, the ZP3 system offers tailor made engineered solutions for all applications, from single panel systems to large multi panel networks. Modular design backed by powerful software enables ZP3 systems to be configured exactly to the needs of any commercial or industrial site.

Control panels are available in 1, 2, and 4 loop sizes, accommodating up to 508 sensing addresses. For larger systems, panels can be networked together to form installations capable of controlling over 50,000 devices from 100 control panels.

Up to 127 line devices (sensors, callpoints, sounders or interface units) can be connected to each of the control panel loops. All loop devices incorporate switch settings enabling them to be assigned a unique address, the location of which is pinpointed and polled by the panel every two seconds. Variations in the sensors environment caused by increases of temperature or products of combustion, are reported to the panel, where they are processed and compared to known fire data, prior to any alarm output being activated.

Constant communication between control panel and sensor, enables ZP3 to provide a wide range of user facilities including pre alarm, constant sensitivity adjustment and service and near service listings for all sensor types.

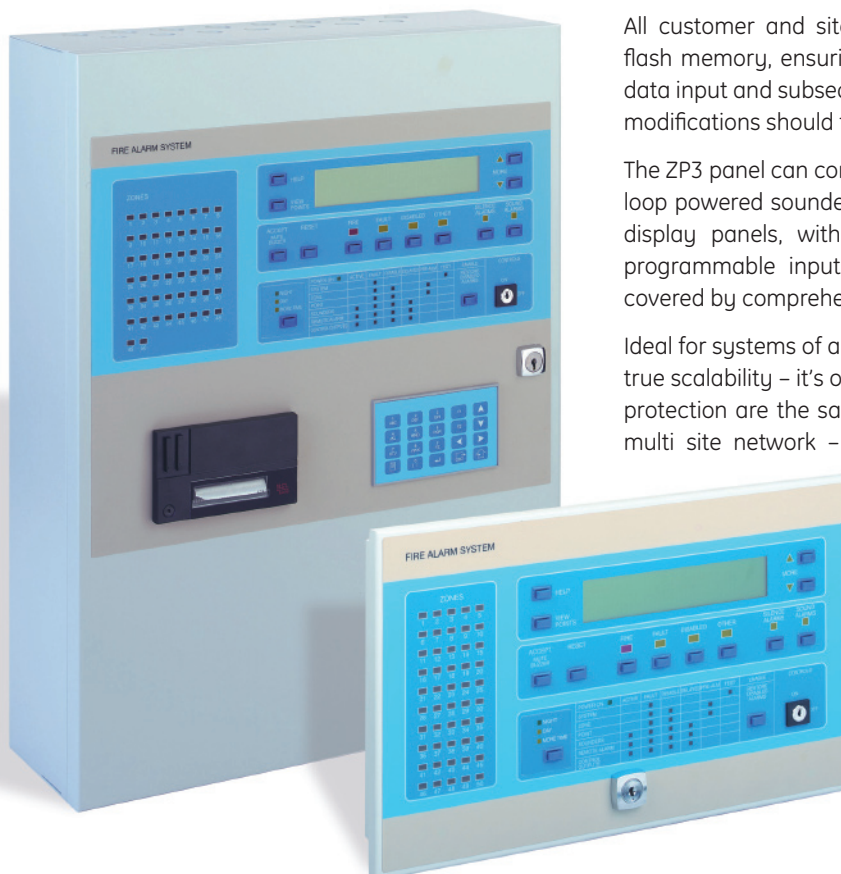
Software flexibility enables facilities such as alarm organisation, evacuation procedures and complex cause and effect requirements to be easily programmed into any system.

All customer and site data is held in non volatile flash memory, ensuring both ease of initial system data input and subsequent on site amendments and modifications should they occur.

The ZP3 panel can control fire and non fire functions, loop powered sounders, remote control and remote display panels, with up to 128 zones with 768 programmable inputs and outputs per panel, all covered by comprehensive programming facilities.

Ideal for systems of all sizes the ZP3 is designed with true scalability - it's operation, facilities and levels of protection are the same from single panel, to large multi site network - meaning that you can start

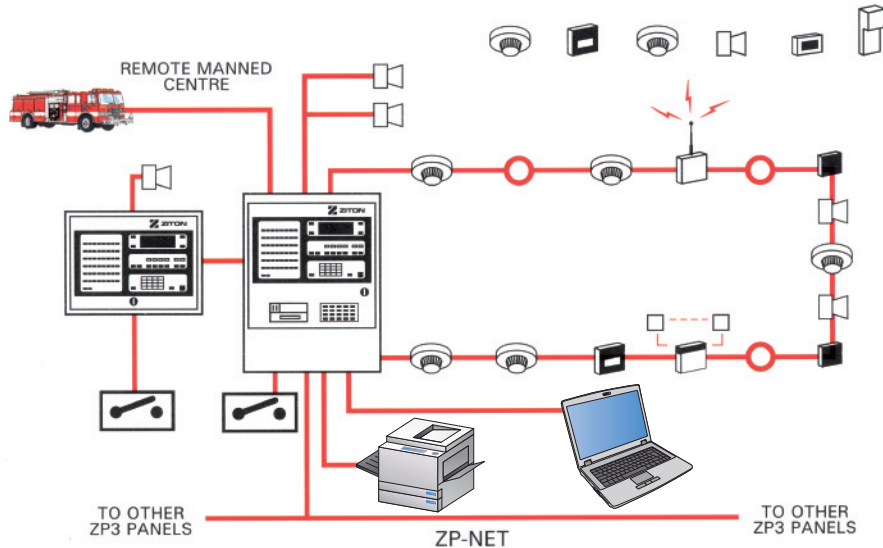
small and add phases as the system and site develop, saving large initial capital outlays for hardware not required until later stages of development.



Active protocol means complete reliability at all times. Systems feature continuous monitoring of wiring and sensors, corrupt data detection and disconnection of faulty or impaired loop sections.

Sensors, sounders and interface equipment can be installed on a single pair of wires, greatly reducing installation costs.

All system components meet full the stringent requirements of European Standards and are continually tested by international testing laboratories (for example the Loss Prevention Certification Board LPCB). ZP3 also meets the recommendations of most local design and installation codes.



- Smoke Sensors
- Thermal Sensors
- Combination Sensors
- High Sensitivity Aspiration Sensors
- Beam Sensors
- Loop Sensors

- Loop Relays
- Loop Interface Units
- Loop Isolators
- Manual Call Points
- Remote Display Units
- Colour Graphic Computer and Printer

Other features include –

Ease of operation - large 160 character LCD display and traditional LED indicators providing clear, easy to understand information.

Automatic contamination adjustment – maintains constant, individual sensor sensitivity by compensating for sensitivity drifting over time period.

Service and near service – lists sensors that are due for cleaning and others that may be approaching the service condition.

Sophisticated alarm verification – offers two time integration levels for each separate address.

Advanced loop isolation – maintains system integrity against partial or full short circuit faults.

Automatic Self Test – all sensors are functionally tested every 24 hours.

Day/night control – different system operation, automatically switched at any time during a 24 hour period.

Sounder Self Test – loop wired sounder range features built in microphone circuit to automatically test sounder output.

Radio loop interface – full analogue system facilities via wireless interface enables equipment to be sited where access is restricted or wiring impossible.

Password protection – provides multilevel access to system controls and can be configured to match operator responsibilities.

Eventlog – Up to 1000 alarms, faults and disablements can be displayed or printed in chronological order.

Simple design, set up and operation have proved to be the success of the ZP3 on a worldwide basis all made even easier with various user software packages.

Planner for Windows enables system designers to fully configure ZP3 systems – either directly into the panel via a PC – or off site for subsequent download at the commissioning stage.

Loop load calculator – checks that equipment assigned to any loop is within allowable parameters – then calculates power supply requirements.

Graphically presenting alarms and events, **Maestro** provides system control, colour graphics and event logging.

Remote diagnosis allows fault diagnosis and information access from remote location via a modem link.

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