

## ZP3 Series

### Addressable Fire Alarm Control Panels

#### Recognise Real Fires Sooner

Advanced panel design combined with high sensitivity smoke and fire sensing enables the ZP3 control panel not only to identify and disregard conditions that would result in false or unwanted alarms, but to recognise real fires sooner. The ZP3 is available in 1, 2, and 4 loop configurations, accommodating up to 508 sensing addresses. For sites requiring more loops, panels may be networked together to form systems capable of controlling more than 30 000 devices from as much as 64 control panels.

#### Unique Device Addresses

Up to 127 line devices (detectors, call points, sounders or interface units) may be connected to each of the ZP3 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 detector's 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.

#### Software Flexibility

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

#### Optional Facilities

An onboard printer module together with a series of facility boards can be added to the standard panel to extend any panel up to 768 programmable inputs and outputs.

#### Remote Diagnostics

Designed to provide the user with full facilities for both fault diagnosis and system configuration off site, the remote diagnostics hardware and software package makes information available to service personnel prior to visiting site for remedial action or maintenance activity.



#### Standard Features

- CPR Certified to EN54:2 and 4
- Advanced sensing techniques
- Extensive networking ability
- Loop powered sounders support
- Ease of operation
- Service and near service facility
- Sophisticated alarm verification
- Automatic self test
- Day / night control
- Radio loop interface support
- Automatic contamination adjustment for each detector
- Intelligent loop isolation
- Self test sounder support
- Password protection
- Event log

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### Specifications

<b>Specification</b>	System compliance to BS5839 Pt1
<b>EMC</b>	CE marked (EEC89/336)
<b>Loop capacity</b>	127 addresses
<b>Compatibility</b>	All ZP addressable equipment
<b>Mounting</b>	Surface or recessed (with ZP3 flushing collar)
<b>Power requirements</b>	
Quiescent (4 loops with 0 devices)	420mA @ 24 VDC
Alarm (4 loops with 25% zones in alarm)	820mA @ 24 VDC
<b>Power supply</b>	
Input	230 VAC 50 Hz $\pm$ 10%, 0.75 Amps or 24-50 VDC
Output (nominal)	24 VDC (nominal), 3.0 A
Battery charger	28.2 VDC, 1.2 A
<b>Wiring</b>	2 core screened (to local codes and standards)
<b>Loop monitoring</b>	Open/short circuit, earth fault, device removal, wrong device type
<b>Switched outputs (standard)</b>	
Sounder circuits	2 x dual (monitored & programmable)
Fire (common)	1 x volt free N/O or N/C
Fault (common)	1 x volt free N/O or N/C
Remote manned centre (fire)	1 x monitored
Remote manned centre (fault)	1 x monitored
<b>Switched I/O (optional &amp; programmable)</b>	
Non loop devices	768 max, consisting of sounder circuits, relay outputs, transistor outputs, monitoring inputs
<b>System status indicators</b>	
LEDs	87 LEDs, text display 4 line, 160 character, LCD (back lit)
LCD (back lit)	4 line, 160 character
<b>Communications ports</b>	Z-Port 1 Planner, RS232 Z-Port 2 Network, RS485 / fibre optic
<b>Selectable features</b>	Common sounders, coincidence alarm, RMC fire & fault, zone walk test, control output, output delays, alarm counter, sounder silence delay, alarm verification
<b>Standby batteries</b>	2 x 12 V SLA - up to 28 Ah (inside enclosure)
<b>Temperature range</b>	-5°C to +40°C
<b>Relative humidity range</b>	10% to 90% (non condensing)
<b>Environmental</b>	IP30 (indoor installation)
<b>Construction</b>	Sheet steel
<b>Dimensions (h x w x d)</b>	540 x 410 x 137 mm
<b>Colour</b>	Pantone 428c - cool grey
<b>Weight (excluding batteries)</b>	11 kg

### Ordering Information

Part No.	Description
71321	ZP3-LITE 1 Loop Analogue Control Panel, 230V (EN54)
71301	
71303	ZP3-1L 1 Loop Analogue Control Panel, 230V EN54 (Spanish)
71305	ZP3-1L 1 Loop Analogue Control Panel, 230V EN54 Red (English)
71308	ZP3-1L 1 Loop Analogue Control Panel, 230V EN54 (Swedish)
133011	ZP3U-1L 1 Loop Analogue Control Panel, 230V EN54 (Traditional Chinese)
71401	ZP3-2L 2 Loop Analogue Control Panel, 230V EN54 (English)
71403	ZP3-2L 2 Loop Analogue Control Panel, 230V EN54 (Spanish)
71405	ZP3-2L 2 Loop Analogue Control Panel, 230V EN54 Red (English)
71408	ZP3-2L 2 Loop Analogue Control Panel, 230V EN54 (Swedish)
133021	ZP3U-2L 2 Loop Analogue Control Panel, 230V EN54 (Traditional Chinese)
71501	ZP3-4L 4 Loop Analogue Control Panel, 230V EN54 (English)
71503	ZP3-4L 4 Loop Analogue Control Panel, 230V EN54 (Spanish)
71505	ZP3-4L 4 Loop Analogue Control Panel, 230V EN54 Red (English)
71508	ZP3-4L 4 Loop Analogue Control Panel, 230V EN54 (Swedish)
71516	ZP3-4L 4 Loop Analogue Control Panel, 230V EN54 FABRICOM (Flemish/French)
133041	ZP3U-4L 4 Loop Analogue Control Panel, 230V EN54 (Traditional Chinese)
76102	ZP3-FC ZP3 Flush Collar (EN54)
76102-C	ZP3-FC-C ZP3 Flush Collar (EN54) - CHROME