

# ZP3 Series

## Analogue Addressable 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 50 000 devices from as much as 100 control panels.

### Unique Device Addresses

Up to 127 line devices (sensors, 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 sensor'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 sensor enables the 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 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

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



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### Specifications

Specification	Control panel EN 54 Pt 2
	Integral power supply unit EN 54 Pt 4
	Meets recommendations in systems to BS 5839 Pt1
EMC	CE marked (EEC89/336)
Loop capacity	127 addresses
Compatibility	All ZP analogue addressable equipment
Mounting	Surface or recessed (with ZP3 flushing collar)
Power Requirements	Panel (Quiescent at 24 VDC) 4 loops 420mA Load of panel only, excluding any external devices
	Panel (Alarm at 24 VDC) 820mA 25% of zones in alarm
	Per Loop (Quiescent at 24 VDC) 70mA Fully loaded loop, with 127 ZP devices, not in alarm
Power Supply	Input 230 Vac 50 Hz + or -10% 0.75 Amps
	Optional input DC 24 to 50 volts load dependent
	User output 24 Vdc (nominal) up to 3.0 Amps
	Battery charge 28.2 Vdc 1.2 Amps
Wiring	2 core screened (to local codes and standards)
Monitoring	Loop wiring Open and short circuit fault, earth leakage, sensor removed and wrong device type
Switched outputs (standard)	Sounder circuits (programmable) 2 x dual (monitored)
	Fire (common) 1 volt free N/O or N/C 1 volt free N/O or N/C
	Fault (common) 1 volt free N/O or N/C (software set)
	Remote manned centre (fire) 1 monitored
	Remote manned centre (fault) 1 monitored
Switched I/O (optional & programmable)	Non loop devices, sounder circuits, relay outputs, transistor outputs monitoring inputs 768 total max
Indicators	System status 87 light emitting diodes, text display 4 line, 160 character, LCD (back lit)
Optional printer	24 character (built into front door)
Software	Firmware and site configuration programming - Flash memory
Communications ports	Z-Port 1 Planner, RS 232 Z-Port 2 Network, RS 485 / fibre optic
Repeater Panel	ZP3 RDUB1-24 remote display unit
Selectable features	Common sounders, Coincidence alarm, RMC fire, RMC fault, Zone walk test, Control output, Output delays, Alarm counter, Sounder silence delay, Alarm verification
Standby batteries	2 x 12 volt sealed lead acid - up to 28 Ah (Panasonic) accommodated inside panel enclosure
Temperature range	-50C to +40C
Humidity range	10% to 90% RH (non condensing)
Environmental	IP 30 (indoor installation)
Construction	Enclosure - Back box and hinged door - sheet steel
Dimensions	540 mm (H) x 410 mm (W) x 137 mm (D) Overall dimensions when mounted in flushing collar 623 mm (H) x 512 mm (W) 15 mm projection when recessed
Colour	Pantone 428c Cool grey
Weight	11.0 Kg with printer (batteries excluded)
Publication No	PS1278

### Ordering Information

Part No.	Description
71321	ZP3-LITE 1 Loop Analogue Control Panel, 230V (EN54)
71301	ZP3-1L 1 Loop Analogue Control Panel, 230V (EN54)
71401	ZP3-2L 2 Loop Analogue Control Panel, 230V (EN54)
71501	ZP3-4L 4 Loop Analogue Control Panel, 230V (EN54)
76102	ZP3-FC ZP3 Flush Collar (EN54)
76102-C	ZP3-FC-C ZP3 Flush Collar (EN54) - CHROME