71501

ZP3 Series - ZP3-4L 4 Loop Analogue Control Panel -English (New replacement panel 71501N)

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 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.

Details

- 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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Technical specifications

General

Status indicaton	87 LEDs LCD (back lit) text display, 4 lines, 160 characters
Communication ports	Z-Port 1 Planner, RS232 Z-Port 2 Network, RS485 / fibre optic

Electrical

Power Supply Input	230 VAC 50 Hz ±10%, 0.75 A or 24 to 50 VDC
Output (nominal)	24 VDC (nominal), 3.0 A
Battery charger	28.2 VDC, 1.2 A

Loop

Cable rating	2 core screened (to local codes and standards)
Loop monitoring	Open/short circuit, earth fault, device removal, wrong device type

Zone

Loop Capacity	127 addresses

Standby battery

Capacity	up to 28
Batteries supported in housing	2 x 12 V SLA

Physical

Physical dimensions	540 x 410 x 137 mm (W x H x D)
Shipping weight	11 kg

Environmental

Operating temperature	-5 to +40°C
Relative humidity	10 to 90% noncondensing
IP rating	IP30: for indoor use only

Power requirements

Quiescent (4 loops with 0 devices)	420 mA @ 24 VDC
Alarm (4 loops with 25% zones in alarm)	820 mA @ 24 VDC

Switched outputs (standard)

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

Switched I/O (optional & programmable)

Non loop devices	768 max, consiting of sounder circuits, relay outputs, transistor outputs, monitoring inputs

Selectable features

	Common sounders, coincidence alarm, RMC fire & fault, zone walk test, control output, output delays, alarm counter, sounder silence delay, alarm verification

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