eurotech®
fire systems limited

Eurotech 1 to 4 Loop Intelligent Fire Control Panel (EUR-5401N/5402N/5404N)

The Eurotech series is fully expandable from 1 to 4 loops and supplied with 4 onboard sounder circuits, 20 programmable zonal LEDs with slide-in labels, and 25 System LEDs for information purposes. There are also 4 programmable function buttons with LED indication for confirmation of operation.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution, high contrast, graphical LCD display and tactile keypad providing a simple select and click programming aid for engineer configuration and end-user operation.

Powerful cause-and-effect programming and enhanced trace diagnostics make the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable onsite via the onboard alphanumeric keypad, or PC-NeT configuration software.

PC Software: An extensive suite of user-friendly Windows-based PC software programs has been developed to enhance your experience when using Eurotech Series of Fire panels. The suite incorporates a number of different programmes to include a configuration, service, logo and virtual panel tool to allow the flexibility of the equipment to be fully explored.

Network: Simply adding a network card allows the panel to communicate with any other Eurotech fire panel, remote terminal, or network peripheral, such as, 'ipGateway™' or BMS/Graphical Interface. The network operates as a true peer-to peer system and can be configured in a fault-tolerant loop or radial format.

KEY FEATURES

- 20 programmable Zonal / 25 System LEDs
- Argus Vega protocol support
- Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware
- Dedicated USB & RS232 serial port for direct PC or modem connection
- Installer friendly Auto-learn, Loop Detection and Onboard Scope facility for ease of commissioning and fault finding
- The graphical display can be configured to operate with virtually any language or character set and allow the installer's logo to be applied using the Logo application software
- Integral P-Bus for system expansion via available option cards
- Ad-NeT peer-to-peer network with up to 2000 zones
- Approved to BS EN54 part 2, 4 and 13

TECHNICAL SPECIFICATION

Base Technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	White backlit 240 x 64 (9.5 inches x 2.5 inches) graphical LCD - 6 lines of 40 characters
LED Indicators	22 red (1 x Fire, 1 x More Alarms, 20 x Zonal Programmable), 1 green (Power), 13 amber and 12 bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x programmable push buttons
Protocol	Argus Vega
Number of Fire Zones	2000 (200 per individual panel)
Number of Loops	Dedicated 1-4 loop panel
Devices per Loop	Protocol dependent
Loop Current	500mA per loop
On-Board Sounder Circuits	4 x 1 Amp programmable
On-Board Relays	2 x 1 Amp 30v AC/DC programmable(10mA, 5v min) - expandable to 4 using MXP-507
Auxilliary Supply	1 x 24v 500mA
Programmable Input	1 x monitored programmable input on-board
Programmable Key Switch Inputs	8 x volt free inputs
Total Available Output Current	5A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.4A Max
Charger Current	2A temperature compensated
Serial Port	1 x on-board RS232 connection for PC, modem, IP, or portable printer
USB Interface	1 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	5000 event & diagnostic + 500 fire
Networking	Optional plug-in network card (MXP-503 - standard, or MXP-509 - fault-tolerant)
Enclosure/Colour	Steel IP30 / RAL7035
Metalwork Options	Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount

DIMENSIONS & CAPACITY

	Dimensions	Cable Entry	Battery Capacity (internal)	
	H x W x D mm	(20mm knockouts)	Min	Max
Standard	475 x 450 x 120	19 x top, 11 x rear, 2 x bottom	24v 4Ah	24v 18Ah
Deep	475 x 450 x 190	30 x top, 11 x rear, 3 x bottom	24v 4Ah	24v 45Ah
Extended	750 x 450 x 190	30 x top, 6 x top rear, 3 x bottom, 2 x double rear	24v 4Ah	24v 45Ah

Part Numbers	
EUR-5401N	1-4 Loop Fire Panel c/w 1 Loop Card
EUR-5402N	4 Loop Fire Panel c/w 20 Zone LED
EUR-5404N	4 Loop Addressable Fire Alarm Panel