NITTAN

evo+

evo+

Single Loop Fire Alarm Control Panel

- **20 programmable zonal / 25 System LEDs**
- **Nittan Evolution protocol**
- **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 On-board Scope facility for ease of commissioning and fault finding**
- **Graphical display configurable for virtually any language**
- **Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination**
- **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 and 4**

The evo+5101 control panels are supplied with a single loop driver card, 2 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 & click' programming aid for engineer configuration and end user operation.

Powerful cause-and-effect programming coupled with dynamic zoning, and enhanced trace diagnostics makes the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable on-site via the on-board 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 evo+ series fire panels. The suite incorporates a number of different programmes which include configuration, service, logo and virtual panel tools 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 evo+ fire panel, remote terminal, or network peripheral, such as ipGateway™, BMS or graphical interface. The network operates as a true peer-to-peer system and can be configured in a fault tolerant loop or radial format.

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Key Features

- Single Loop Control Panel
- Programmable Push Buttons
- Fully Programmable
- Multiple Languages
- Global Compliance
- Fully Networkable
- Dual Microprocessor
- Real-time Clock
- 3 Year Warranty
- Slide-in Labels

Specifications

Base Technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	White backlit 240 x 64 graphical LCD
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
Protocols	Nittan Evolution
Number of Fire Zones	2000 (200 per individual panel)
Number of Loops	1
Devices per Loop	Max254
Loop Current	500mA
On-Board Sounder Circuits	2 x 1 Amp programmable
On-Board Relays	2 x 1 Amp 30v AC/DC programmable(10mA, 5v min) - expandable to 4 using Mxp-507
Auxiliary Supply	1 x 24v 500mA
Programmable Input	1 x monitored programmable input on-board
Programmable Key Switch Inputs	1 x volt free input (standard enc.), 8 x inputs (M, L, D enc.)
Total Available Output Current	3A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.0A Max
Battery Capacity	24v 4 Ah internal (min), 24v, 7 Ah internal (max), medium enc. (M) - 24v, 12Ah internal (max), large enc. (L) - 24v, 18Ah internal (max), deep enc. (D) - 24v, 45Ah
Charger Current	1A 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)
Printer (optional)	On-board (M, L, D enclosures only)
Enclosure / Colour	Steel IP30 / RAL7035
Cable Entry (20mm knockouts)	13 x top & 8 x rear, medium enc. (M) - 17 x top & 11 x rear, large enc. (L) - 19 x top & 11 x rear, deep enc. (D) - 30 x Top, 11 rear & 3 bottom
Size H x W x D mm	340 x 340 x 85, medium enc. (M) - 340 x 430 x 115, large enc. (L) - 470 x 450 x 115, deep enc. (D) - 470 x 450 x 190
Metalwork Options	Semi-flushing bezel, battery box, utility enclosure, termination enclosure and rack mount
Approvals	EN 54-2:1998, EN 54-4:1998

Order Codes and Options

F12N95101 evo+5101: Single Loop Panel in Standard Enclosure
F12N95131 evo+5101D: Single Loop Panel in Large Deep Enclosure
F1295111 evo+5101M: Single Loop Panel in Medium Sized Enclosure
F12N95121 evo+5101L: Single Loop Panel in Large Enclosure

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