

## > evo+

### 1-2 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 facilities 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+5200 series control panels are fully expandable from 1 - 2 loops and supplied with 2 on-board 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 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 onsite 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 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 evo+ 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

- 1 - 2 Loop Panel
- Global Compliance
- Networkable
- Multiple Languages
- Fully Expandable
- Programmable Push Buttons
- Robust Equipment Chassis
- 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	Dedicated 1-2 loop control panel
Devices per Loop	Max 254
Loop Current	500mA per loop
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	8 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
Battery Capacity	24V 4Ah internal (min), 24V, 12Ah internal (max), large enc. (L) - 24v, 18Ah internal (max), deep enc. (D) - 24v, 45Ah internal (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)
Printer (optional)	On-board (M, L, D enc. only)
Enclosure / Colour	Steel IP30 / RAL7035
Cable Entry (20mm knockouts)	17 x top, 11 x rear & 2 x bottom, large enc. (L) - 19 x top, 11 x rear, 2 x bottom, deep enc. (D) - 30 x top, 11 x rear, 3 x bottom
Size H x W x D mm	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

F12N9520x evo+520x: Multi Loop Panel in Standard Sized Enclosure      F12N9523x evo+520xD: Multi Loop Panel in Large Deep Enclosure  
 F12N9522x evo+520xL: Multi Loop Panel in Large Enclosure

\* x denotes number of loop card fitted e.g. F12N95201 = One loop card, F12N95202 = Two loop card