

# 1-4 Loop Fire Alarm Control Panel

Mx-4400

## Advanced Fire Panel Technology

The Mx-4400 series is fully expandable from 1 to 4 loops complete with 4 on-board sounder circuits. The control panel consists of a simple to use LCD menu driven graphical interface, dual, flashbased microprocessor technology driven by a 5 Amp power supply and charger approved to EN54 parts 2 & 4.

Dedicated system navigation keys makes learning this control panel user friendly as well as installer friendly due to the uncomplicated, trouble free, commissioning and fault finding.

Powerful Cause and Effect programming coupled with 'Dynamix' zoning makes the panel suitable for a wide range of site applications, from small to large complex multi area systems. Fully on site programmable via on board alphanumeric keypad or PC -NeT Configuration tools.

## PC Software

An extensive suite of PC based, software programs have been developed to supplement the Mx-4000 series Fire panels.

User-friendly Windows based 'PC-NeT' configuration software includes a virtual panel allowing for remote diagnostics via a low cost modem connection, saving time and expense for any travelling or maintenance.



BS EN 54-2 & 4  
KM 69695



0086-CPD

## Features

- Fully expandable from 1 to 4 loops via common plug in loop driver boards.
- Full support of Apollo (Discovery, Xplorer S90 & Xp95). Hochiki ESP, Nittan Evolution and AV protocol.
- Advanced graphical LCD user interface with up to 1000 fire zones as standard, allowing full EN54 compliance without additional hardware or LED indication.
- 5 Amp power supply and charger to EN54 part 4.
- Dedicated RS232 serial port for direct PC or modem connection.
- Dual, flash based, microprocessor technology with on-board Real Time Clock. Optional on-board or remote printer.
- Installer friendly 'Auto-learn' and 'Loop Detection' facility for trouble-free, commissioning. Fully on-site programmable via on-board alphanumeric keypad or PC configuration tools.
- Flash memory and the advanced graphical display enables the panels to be configured to operate in virtually any language with any character set and allows the installer's logo and company details to be applied to the LCD display.
- Robust, removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- When connected to the fault tolerant Ad-NeT network, the panel operates as a true peer-to-peer interface (with up to 1000 shared zones) with full cross panel reporting, control functionality.

## Key Features

Fully Expandable from 1 to 4 Loops      Global Compliance  
 En54 Parts 2 & 4 'Approved'              Multiple Languages  
 Apollo,Hochiki,Argus & Nittan Protocol      Fully Networkable  
 3 Year Warranty as standard

## Specification

Base Technology	Dual Flash based Processors with Real Time Clock, 'Trace' diagnostics, 'Pulse' communications & programmable languages
Display	Backlit 240 x 64 Graphical LCD
LED Indicators	3 Red (2 x Fire, 1 x Alarm), 1 Green (Power) & 12 Amber (Fault & System)
Controls	Alpha Numeric Keypad, Navigation Keys & System Keys for Reset, Mute, Silence/Resound & Evacuate
Protocols	Apollo (S90,XP95, Xplorer and Discovery), Hochiki ESP, Nittan Evo & Argus Vega
Number of Fire Zones	1000 'Dynamix'
Number of Loops	1-4. Expandable via individual plug-in loop driver
Devices per loop	As per Detector Manufacturer's Specifications
Loop Current	500mA
On Board Sounder circuits	4 x 1 Amp Programmable
On Board Relays	2 x 1 Amp 30v AC/DC Programmable
Auxiliary Supply	1 x 24v 500mA
Open Collector / Logic Outputs	8 x Programmable
Programmable Switch Inputs	8 Volt Free Digital Inputs
On Board Power Supply	5 Amp High Efficiency Switched Mode
Mains Supply	230 V Ac (+10%, -15% tolerance) 50 /60 Hz 1.7 Amp
Battery Capacity	24V 18Ah Internal, 24V 48Ah external
Charger Current	2.2 Amp DDP monitored, temperature compensated integral charger
Serial ports	1 RS232 Onboard for PC, Modem or External Printer
Programming	Via on-board Keypad or PC running Windows Tools
Event Log	1000 Fire & Event + Diagnostic
Networking	Optional plug in Network card
Printer (Option)	Optional on-board or External Serial Printer
Enclosure / Colour	Steel IP30 / Beige (textured)
Cable Entry	200mm Knock outs. 18 x top / 9 x top rear and 2 x bottom
Size H x W x D mm	475 x 450 x 115 / 10Kg, 475 x 450 x 188 / 10Kg (/D Deeper Enclosure) Back Box Only (When Recessing) 475 x 450 x 100 Deeper Back Box only (when recessing) 475 x 450 x 173
Metalwork Options	Flushing Bezel, Ancillary Enclosure & Battery Box
Approvals	BS EN54-2 & 4:1998

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## Order Codes

**Mx-4400\***: 0 to 4 Loop Analogue Addressable (0 Loop cards)

**Mx-4401\***: Mx-4400 c/w 1 Loop Card Fitted & Tested

**Mx-4402\***: Mx-4400 c/w 2 Loop Cards Fitted & Tested

**Mx-4403\***: Mx-4400 c/w 3 Loop Cards Fitted & Tested

**Mx-4404\***: Mx-4400 c/w 4 Loop Cards Fitted & Tested

**Mx-4400\*/D**:Mx-4400 c/w \* Loop Cards Fitted & Tested with Deeper Enclosure for 2 x 38Ahr Batteries

\*Add /N for Nittan Evolution Protocol

\*Add /V for Argus Vega Protocol