

1-4 Loop Fire Alarm Control Panel

MX4400

Innovative Fire Panel Technology

The MX4400 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, flash based 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 MX4000 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.

Approvals



BS EN 54-2 & 4
KM 69695



Bomba Malaysia



Features

- Fully expandable from 1 to 4 loops via common plug in loop driver boards.
- Full support of Hochiki / Argus 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
Hochiki / Argus 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	Hochiki / Argus Protocols (to be specified at order)
Number of Fire Zones	1000 'Dynamix' (200 per individual panel)
Number of Loops	1-4. Expandable via individual plug-in loop driver
Devices per loop	127 / 240 (protocol dependant)
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 (via optional 2-way relay card)
Programmable Switch Inputs	8 x Volt Free Digital Inputs
On Board Power Supply	5 Amp High Efficiency Switched Mode
Mains Supply	230 VAC (+10%, -15% tolerance) 50 /60 Hz 1.9 Amp
Battery Capacity	24V 18 Ah internal. 24V 48 Ah 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 (Optional)	Optional on-board or External Serial Printer
Enclosure / Colour	Steel IP30 / Beige (textured)
Cable Entry	20mm Knock-outs. 18 x top, 9 x top rear and 2 x bottom
Size H x W x D mm / Weight	475 x 450 x 115 / 10Kg, 475 x 450 x 188 / 10.5Kg (/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, Singapore Standard CP:10:2005, Bomba Malaysia

Order Codes

MX4401V: MX4400 c/w 1 Loop Card Fitted & Tested
MX4402V: MX4400 c/w 2 Loop Cards Fitted & Tested
MX4403V: MX4400 c/w 3 Loop Cards Fitted & Tested
MX4404V: Mx4400 c/w 4 Loop Cards Fitted & Tested

MX4400V/D: MX4400 c/w 4 Loop Cards Fitted & Tested
 with Deeper Enclosure for 2 x 38Ah Batteries