

MX700 Series Panels

MX704-8

*Choice of Up to 8-Loop
(Using Multiple Dual Loop Card Configuration)*

INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL



Typical Facial Layout



Features and Benefits

- Compliance EN54-2 & N54-4
- Using advance microprocessor technology with Large memory capacity
- Enhance user interface combining LCD Touch Screen and keypad access
- Support real time visual algorithm
- Enhance false alarm prevention
- Keypad and PC programming
- Support Multiple interface protocol such as USB/Can Bus
- Support Loop Powered devices for extra saving on cable cost
- Built-In Printer
- 160 Programmable LED Zones Indicators
- The Main board built-in USB port (Type B) for programming.

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DATA SHEET

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Overview

The MX704-8 comprise of a range of analogue addressable, microprocessor based fire alarm control equipment to offer flexibility in both design and operation. The System is modular concept for easy tailoring of system design, to meet the full requirements of the project. The MX704-8 Intelligent Fire Alarm Control Panel is designed and manufactured to meet the requirement of BS EN54 Part 2&4.

Designed to provide early warning fire detection, to quickly identify the location of fire and provide user definable text informing the occupants of the building of potential smoke spread. Simultaneously, the System will alert and evacuate the occupants, and control all necessary auxiliary command functions such as elevator control, air handling shut down, gas shut off & damper control, as per the cause and effects requirements configured through Command Builder Set-up.

System Capacity

- Up to 8-Loop (Using multiple Dual Loop Card configuration)
- Support 254 Devices per Loop (Max. 8-Loop x 254 = 2032 Devices)
- Network up to 512 Node
- Programmable Capacity :-
 - Up to 3000 Zones
 - Sounders Groups : 1-1000
 - Modules Groups : 1001- 3000
 - Built-in 160 LED Zones Indicator

Commissioning Advantage

- Auto Enrolling of Devices
- Loop Mapping with colour coding status
- Monitor device mismatch and dual address conflict
- Command Builder to create requirements for fire event scenario
- With Loop protection against power surge
- One-man test with On/Off sounder
- Programming Protection



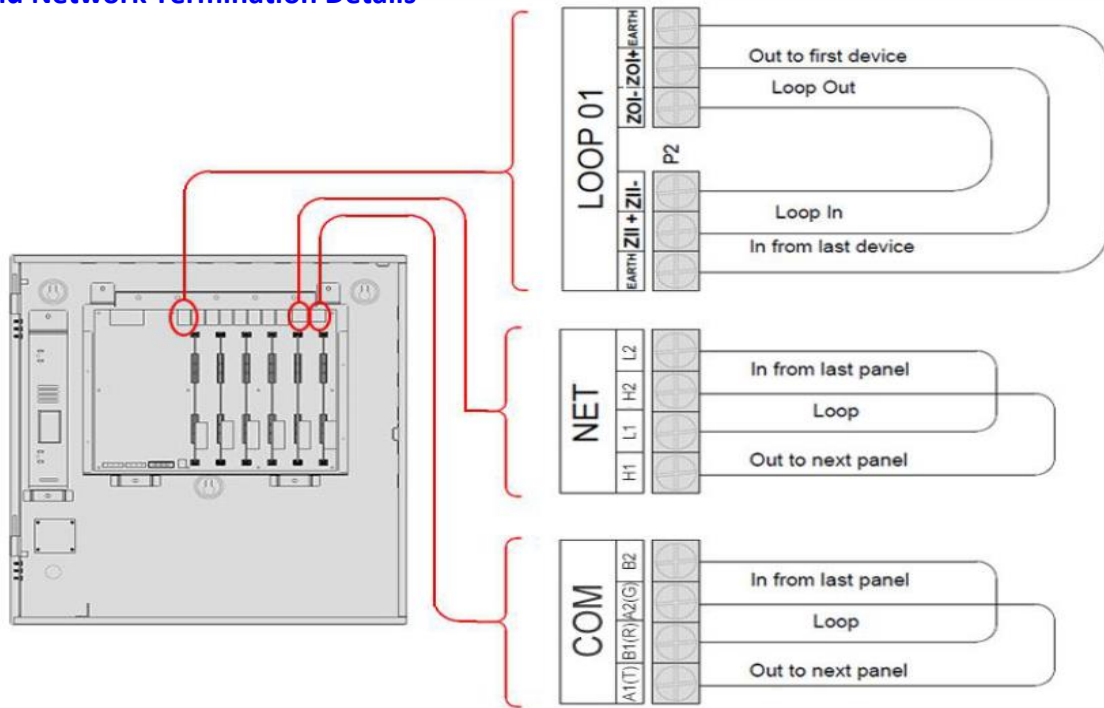
With a wide selection of Audio/Visual Devices, Detectors, Modules, and etc., to meet today's demanding criteria for a modern Fire Alarm System., *The MX Series is the ideal choice...*



Technical Specification

Compliance Standards	EN54-2 & 4	
Input Voltage	230VAC +10%-15%, 50/60Hz	
Input Current Consumption	1.3 A	
PSU Output to CIE	21.5 to 28.5 VDC	
Batteries	Maximum Charge Capacity: 2 x 12V 45AH Maximum Charge Current: 1.7A I maxA: 1.41A I maxB: 3.01A Minimum Quiescent Current: 0.45A(Imin) Maximum Internal Resistance: 1.0Ω Sealed Rechargeable-Lead Acid Type Battery	
Recommended Battery Size	2 x 12V 38AH	
Panel to Panel Communication	CAN Bus	
Number of Network Panels	512	
Interface Port	USB	
Memory (Non-Volatile)	1000 Fire Events	10,000 General Event
Zones	3,000 programmable	
Total Group	3,000 programmable	
- Sounder Group	1,000 programmable	
- Common Group	2,000 programmable	
Protocol/Addressing	Proprietary	Value range from 1 to 254
No. of Loop	<i>Choice of Up to 8-Loop (By using multiple Dual-Loop Card configuration)</i>	
Protection	Built-in 4kV Surge protection	
Loop Current Rating	24Vdc / Max. 450mA per Loop	
Recommended Loop Cabling	1.0Km Max Length / 2 x 1.5mm ² PVC Cable Or based on Local Installation Code in compliance to Authorities having jurisdiction	
Programmable Relays	4 Circuits : Normally Open/Close	
Programmable Input	1 Circuit: Power limited 24Vdc (for future use)	
Programmable Auxiliary Power	19 to 28 VDC (Note: Current Limited)	
Fixed Outputs (FPE/Sounder)	2 Circuits: 18 to 28 VDC (Note: Current Limited)	
Indicator	24 LED Status Indicators	Programmable 160 Zone Indicators
Display	7" TFT Touch Screen (Colour)	
Keypad	5 Brigade buttons and Programming Keypad	
Material / Colour	Sheet Metal / with outer glass door	Red with Black Facial
Dimension	560mm (Height) x 520mm (Width) x 225mm (Depth)	
Weight	Approx. 22 Kg	
Humidity	0 to 95% Relative Humidity, Non condensing	
Operating Temperature	-5°C~+40°C	

Loop and Network Termination Details



Input / Output Wiring Termination Details

