

MX700 Series Panels

MX704 (4-Loop Panel)

MX704-2 (2-Loop Panel)

INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL



Typical Facial Layout



1330h-(cl-1)



Features and Benefits

- Certified to EN54-2:1997 + A1:2006, EN54-4:1997 + A1:2002 + A2:2006
- LPCB Approved
- Using advance microprocessor technology with large memory capacity
- Enhance user interface combining LCD Colour Touch Screen and Keypad Access
- Support real time visual algorithm
- Enhance false alarm prevention
- Dirty Detector Reporting
- Keypad and PC programming
- Optional Built-in Multiple interface protocol such as USB / Ethernet / Can-Bus / Serial / RS485
- Support Loop Powered Devices for extra saving on cabling cost
- Built-In Printer (*Optional*)
- Built-in Programmable LED Zone Indicators

Multron Systems Pte Ltd

217 Kallang Bahru, Multron Building
Singapore 339 347

☎ : (65) 6395 6868

📠 : (65) 6395 6869

✉ : info @ multron.com.sg

DATA SHEET

Copyright © The information contained in this Data Sheets remains the property of Multron Systems Pte Ltd, and is not to be altered or reproduce without permission.

Multron reserves the right to change any specification without prior notice.

Overview

The MX700 series 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 MX004 Intelligent Fire Alarm Control Panel is designed and manufactured to meet the requirement of BS EN54 Part 2&4.

The MX700 is 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 MX700 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

- Standard sizes of **2-Loop** and **4-Loop** Panels are available
- Support up to 254 Devices per Loop
- Network up to 128 Panels x 4-Loop
- Programmable Capacity :-
 - Up to 3000 Zones
 - Sounders Groups : 1-1000
 - Modules Groups : 1001- 2000
 - Up to 160 LED Zone Indicators (Depending on Panel size)

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



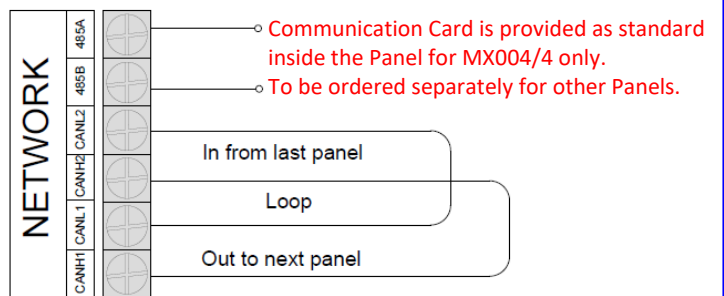
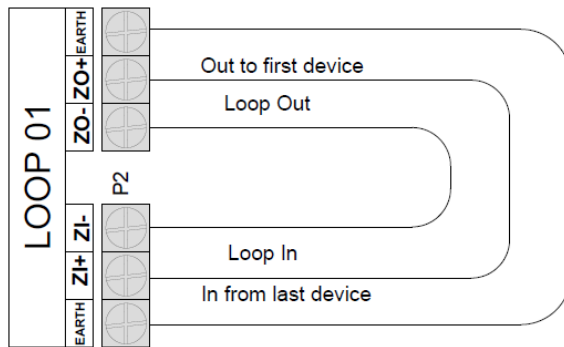
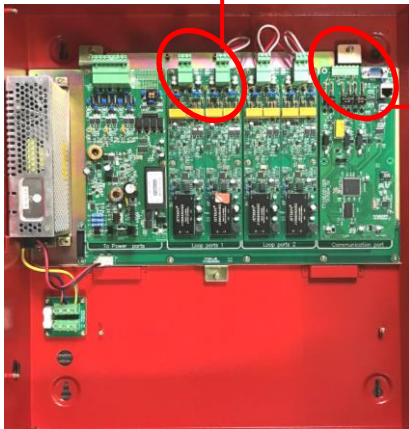
With a wide selection of Audio/Visual Devices, Detectors, Modules, and etc., to meet today's demanding criteria for a modern Fire Alarm System., *The MX Series is the ideal choice...*



Technical Specification

Approvals	LPCB / CE-CPR	
Standards	EN54-2:1997 +A1:2006,	EN54-4:1997 + A1:2002 +A2:2006
Model	MX704-2	MX704
Number of Loop	2-Loop, Class A	4-Loop, Class A
Loop Expansion	Expandable up to 6-Loop (As Stand Alone, without Network Card)	
Input Voltage	240VAC +10% -15%, 50/60Hz	
Input Current Consumption	1 A	
PSU Output to CIE	24.5 to 28.5 VDC	
Standby Battery Capacity	2 x 12V 24AH - Sealed Lead Acid Battery <i>(Based EN54-4 capacity for 24hrs Standby + 30mins Alarm)</i>	
Inter-Panel Communication	Can Bus [loop]	
Panel Network Capacity	128 Panels x 4-Loop	
Interface Port	USB / RS485 Serial / RS232 Serial / Ethernet	
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	
Protection	Built-in 4kV Surge protection	
Loop Current Rating	24Vdc / Max. 450mA per Loop	
Cabling Length / Cable Type	1.2km Max Length / 2 x 1.5mm ² Cable (Twisted Pair)	
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 / 160 Zone Indicators	
Display	7" TFT Touch Screen (Colour)	
Keypad	5 Brigade buttons and Programming Keypad	
Material / Colour	Steel with window outer Door / Red with Black Facial	
Dimension	560mm (Height) x 520mm (Width) x 185mm (Depth)	
Weight	19 Kg (without Battery)	
Humidity	0 to 95% Relative Humidity, Non condensing	
Ingress Protection	IP 30	
Operating Temperature	0 to +40°C	

Loop and Network Termination Details



Input / Output Wiring Termination Details

