

MX300

Conventional Fire Alarm Control Panels

The Matrix 300's advanced microprocessor design has minimal components for higher efficiency and lower power consumption, requiring smaller standby battery sizes.

All these add up to significant cost savings in cabinet costs and improved reliability. An additional benefit is significantly smaller space that needs to be allocated for fire alarm control panel installation.

Unmatched Flexibility and Features

The MX300 is Pyrogard's 4th generation control panel based on proven designs, incorporating the latest technology. Each panel comes with the following features as standard:

- Colour coded switches for easy identification
- Individual Zone selectable Alarm Verification Feature (AVF)
- Status Monitoring for Auxiliary Equipment (Pumps, Water Tank Level, etc)
- Lightning surge protection
- Fire Alarm Routing (DECAM) circuit monitoring
- 2 x 24VDC Bell / Sounder
- 2 x NO/NC Dry Contact Relay Outputs
- High Efficiency UL listed Power Supply generates less heat and wear for trouble free operation.
- Optional LED Driver Module for Mimic & Repeater Panels
- Optional Zone Selectable Bell and Relay Output Modules



Features

- Cost Effective
- Compact Dimensions
- Tested & Approved to British Standards EN 54 parts 2 & 4 : 1998
- Approved to Singapore Standards CP 10 : 2005
- Approved by Bomba Malaysia
- Approved by Hong Kong Fire Authorities
- Compatible with both UL and EN54 Devices

Approvals



Bomba Malaysia

Key Features

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Specification

Capacity :	1 Zone to 84 Zones
Main Indication :	Fire, Trouble, Supervisory Signal, Isolation, System Trouble, Power On
Trouble Indication :	AC Mains Fault, Sounder Indication Line Fault, Earth Fault, Battery Fault, Battery Low
Internal LED Indication :	Bell 1 & 2 activated, Common Fire Indication, System trouble, Auxiliary Contact activated
Operational Temp Range :	-5°C to +45°C
Operating Environment :	Max. 95% RH Non-condensing

POWER SUPPLY

AC Mains Input :	220V ~ 240VAC @ 50Hz
DC Output :	1.7A @ 28.5VDC (4 zone panel only) 5.2A @ 28.5VDC

SYSTEM OUTPUT

Bell Output :	Max 1A (2 bell output, 4 zone panel only) 2 x 1A
Auxiliary Output :	2 x 24 VDC
Voltage Supply Or Dry Contact :	2 x 3 A @ 240VAC

BATTERY CHARGER

Charger Voltage :	27.8VDC
Max. Charge Current :	a. Fast Charge : Max 3.50A, Max 1.00A (4 zone panel only) b. Trickle Charge : Max 50 mA

SYSTEM CURRENT REQUIREMENTS (Typical)

4 Zone :	67 mA
12 Zone :	112 mA
20 Zone :	160 mA
36 Zone :	250 mA
54 Zone :	340 mA
84 Zone :	520 mA