



FEATURES :-

- Designed to EN54 Parts 2 & 4 Standard
- LPCB Approved
- Programmable Settings :-
 - 4 Sounder Outputs
 - 1 Alarm Output
 - 1 Fault Output
 - Alarm Soundings
 - Alarm / Fault Time Delay Mode
 - Day / Night Mode
 - System Test
- Provision of Repeater Status Output
- Key Switch Controlled Access Level
- Convenient Slot-in Zone Labeling



MPC-108 & MPC-116 Fire Alarm Control Panel are developed from single-chip microprocessor, to meet the needs for a comprehensive and versatile range of Fire Detection & Alarm Systems.

Design for ease in installation and operation, the control functions and programming are enabled through a key switch to prevent unauthorized access. Operation of the Panel is made simple with frontal indications and switches.

Where Main and Sub Panels are networked as a System, the Main Panel is able to monitor the general alarm and fault conditions of every Sub Panels. Facilities are also provided to enable a general alarm to be generated or silenced at the Main or the respective Sub Panels.

Design in compliance to EN54 Parts 2 & 4. The Panel has both 8 and 16 detection zones version, with each zone catering up to 20 conventional devices.

Attractively styled and compact in size to blend into any modern architecture, the slim profile of the panel is unobtrusive even when surface mounted.



The electronics components are mounted on the PCBs by the latest surface mount technologies. PCBs within the panel are easily accessible and connected by ribbon cable, with cable entry knockout holes provided for the ease of installation, replacement and maintenance.

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TECHICAL SPECIFICATIONS :-

1. Operating Voltage

Mains Incoming : 220VAC ± 15% @ 50 Hz
 System : 24VDC ± 15%

2. Detection Circuit Parameters

Output Voltage : 20 ~ 28VDC
 Static Current : 2.4mA (Based on 20 conventional devices)
 Resistance for Alarm Activation : 150Ω to 1.5KΩ (nominal 470Ω)
 End-of-Line Resistor : 4.7KΩ

3. Output Circuit Parameters

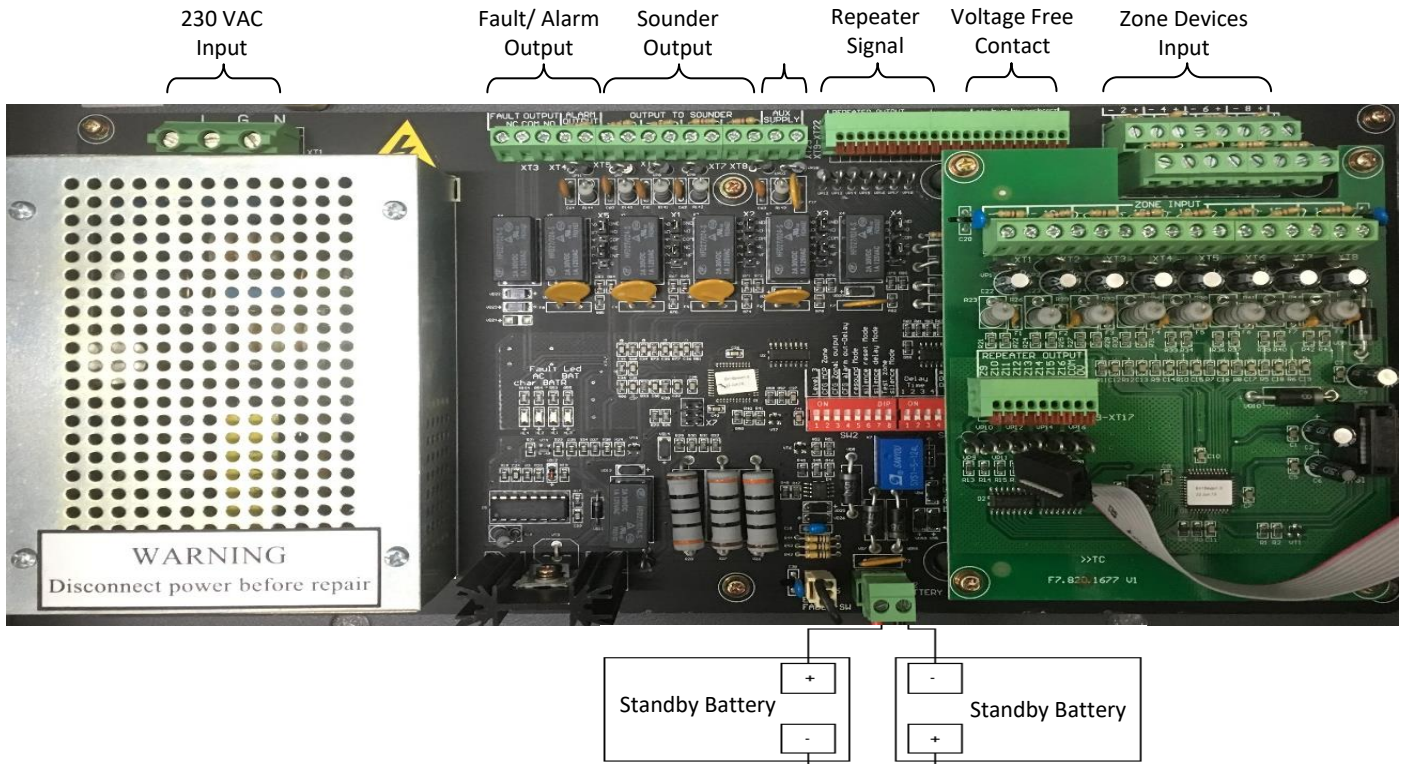
Sounder : Voltage Output 20~28VDC
 Current Output 1A (Total)
 End-of-Line Resistor 4.7KΩ
 Alarm Output : 0.5A @ 24VDC, or NO/NC Voltage Free Contact
 Fault Output : Voltage-Free Contact Output, Rated 1A @ 24VDC
 Repeater Signal Output : 10mA
 Aux Power Output : 0.5A @ 20~28VDC

4. Cabinet Details

Size : 380mm Width x 320mm Height x 103mm Depth
 Weight : Approximately 6kg (*without standby battery*)

5. Operating Environment

Temperature : 0 to 40 °C



TYPICAL WIRING TERMINATION DIAGRAM