TX7008R

Intelligent Fire Alarm Control Panel

Feature 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 and 160 LED Zones Indicators

Overview

The TX7008R 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 TX7008R Intelligent Fire Alarm Control Panel is designed and manufactured to meet the requirement of BS EN54 Part 2&4.

The TX7008R 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 TX7008R 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 though Command Builder Set-up.

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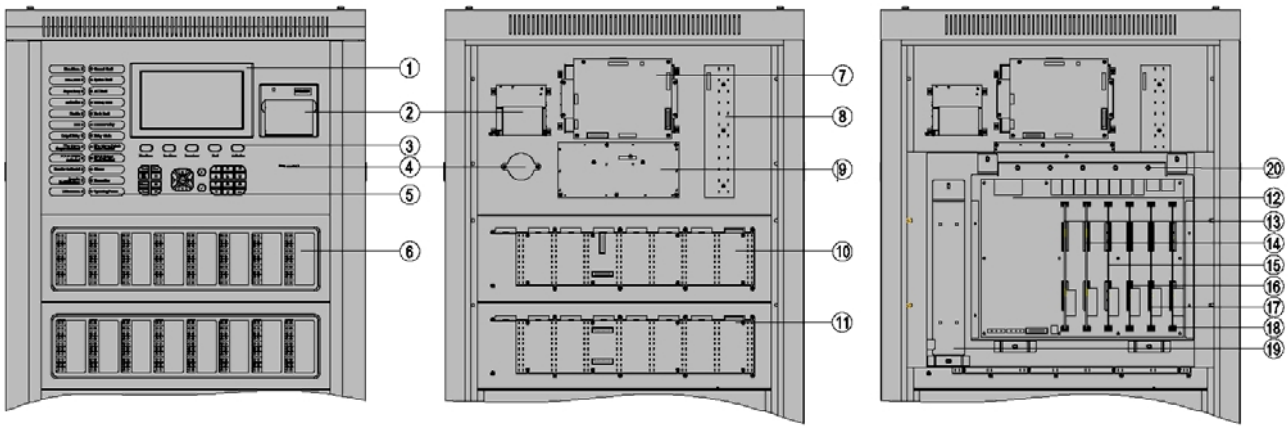
Technical Specification

Compliance	EN 54-2 & 4
Input Voltage	230VAC +10%-15%, 50Hz (120VAC, 60Hz, it is not applicable for EN54 & Not tested by LPCB)
Input Current Consumption	1.3A
PSU Output To CIE	21.5~28.5VDC
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 Rechargeable-Lead acid type battery
Material / Color	Flat sheet Metal / with outer glass door, Orange stripe
Dimension Lx W x H	550 mm x 510 mm x 222mm
Weight	23Kg
Temperature	-5℃~+40℃
Humidity	0 to 95% Relative Humidity, Non condensing

Names and Location



Terminal Description

1 LCD and Touch Screen
2 Printer
3 Operational Keypad
4 Buzzer
5 Status LED Indicator
6 Zone LED Indicator
7 Main Board
8 LED Circuit Board
9 Keypad Circuit Board
10 First Zone LED Board
11 Second Zone LED Board
12 Power Management Board
13 Loop 1 & 2 Board
14 Loop 3 & 4 Board
15 Loop 5 & 6 Board
16 Loop 7 & 8 Board
17 Communication Board 1
18 Communication Board 2
19 Power Supply Unit
20 Power terminal Board
21 Battery Space
22 Earth stud

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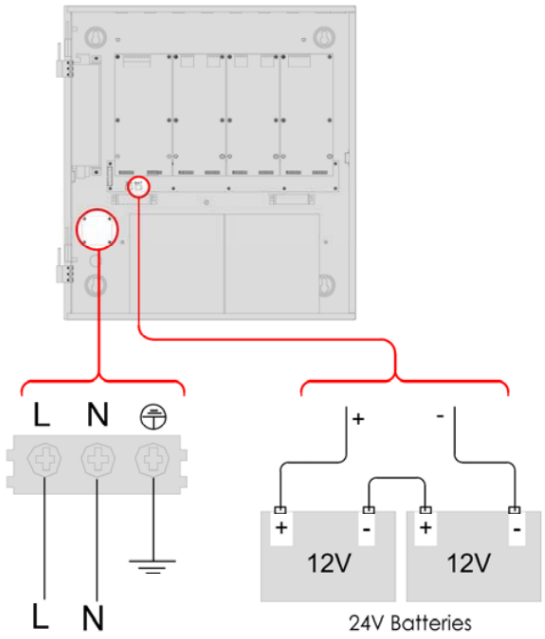
Terminals and Connection



Input: 100VAC to 240 VAC
50/60Hz
Current: 0.4A
Fused: 2 A delayed
Cable Type: 1.5mm²

Figure 7: Power Wiring Details

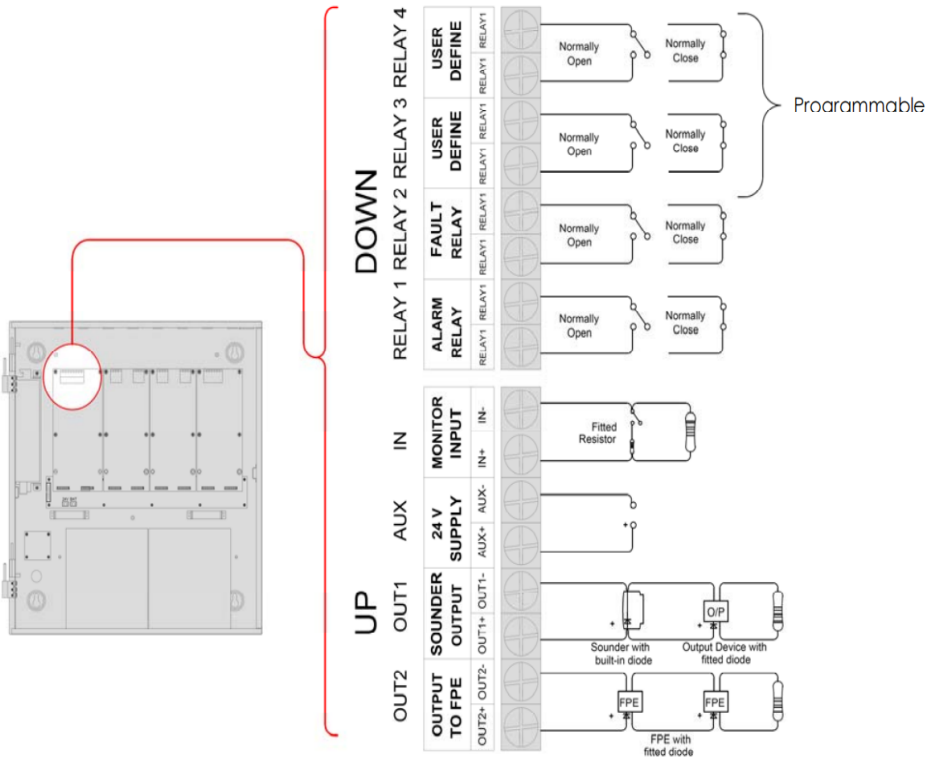
Main Power Supply

Input: 230VAC +10%-15%, 50Hz
Cable Type: 1.5mm² Standard fire resistance cable
Location: P1 power terminal board

Secondary Power Supply

Size: 2 x 12V / 14AH
Type: Rechargeable-Lead acid battery
Cable type: Supplied
Location: P12 mother board

Notes: Only Input Voltage range 230VAC +10%-15%, 50Hz applied LPCB certification, 120VAC, 60Hz, it is not applicable for EN 54 & Not tested by LPCB



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