TX7002

Intelligent Fire Alarm Control Panel

Feature and Benefits

Compliance EN 54-2 & EN 54-4
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/Ethernet/Can Bus/Serial/RS485/Fiber Optic
Support Loop Powered devices for extra saving on cable cost
Built-In Printer and 30 LED Zones Indicators

Overview

The TX7002 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 TX7002 Intelligent Fire Alarm Control Panel is designed and manufactured to meet the requirement of BS EN54 Part 2&4.
The TX7002 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 TX7002 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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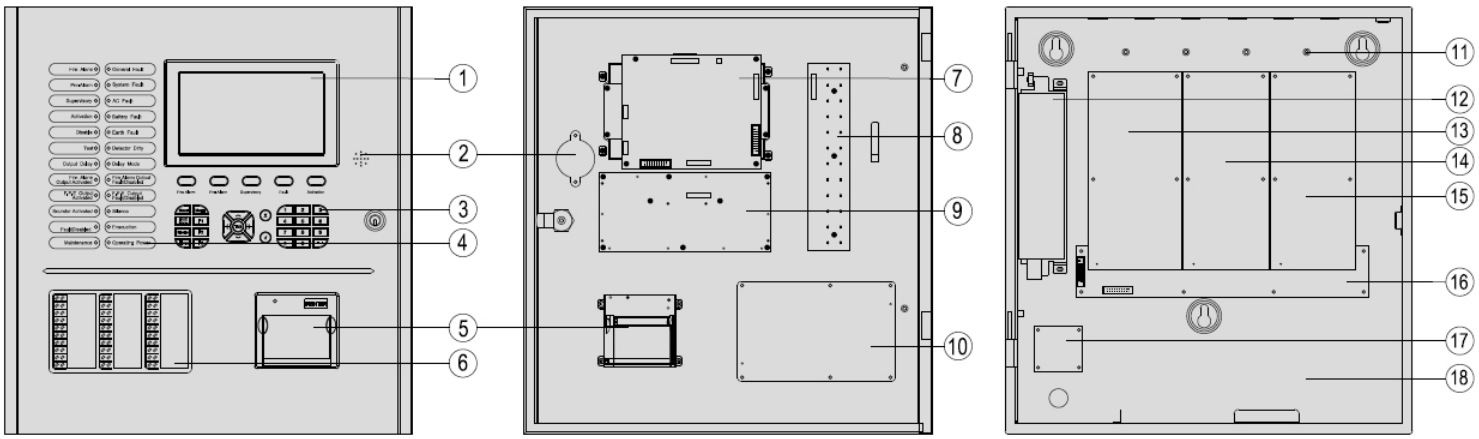
Technical Specification

Compliance	EN 54-2 & 4
Input Voltage	230VAC +10%-15%,(120VAC, 60Hz, it is not applicable for EN 54 & Not tested by LPCB)
Input Current Consumption	0.4A
PSU Output To CIE	21.5~28.5VDC
Batteries	Maximum Charge Capacity: 2 x 12V / 28AH Maximum Charge Current: 1.2A I maxA: 0.44A I maxB: 2.04A Minimum Quiescent Current: 0.20A(Imin) Maximum Internal Resistance: 1.0Ω Rechargeable-Lead acid type battery
Material / Color	Flat sheet Metal
Dimension H x W x D	460 mm x 440 mm x 165 mm
Weight	9.40 Kg
Humidity	0 to 95% Relative Humidity, Non condensing

Names and Location



Terminal Description

1 LCD and Touch Screen
2 Buzzer
3 Operational Keypad
4 Status LED Indicator
5 Printer
6 Zone LED Indicator
7 Main Board
8 Indicator Board
9 Keypad Board
10 Zone Indication Board
11 Earth stud
12 Power Supply Unit
13 Power Management Board 14 Loop Board
15 Communication Board
16 Mother Board
17 Power Terminal Board
18 Battery Space

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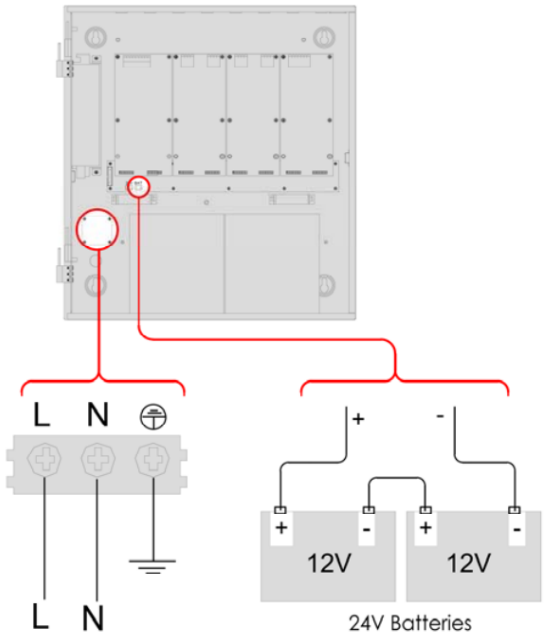
Terminals and Connection



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

Figure 7: Power Wiring Details

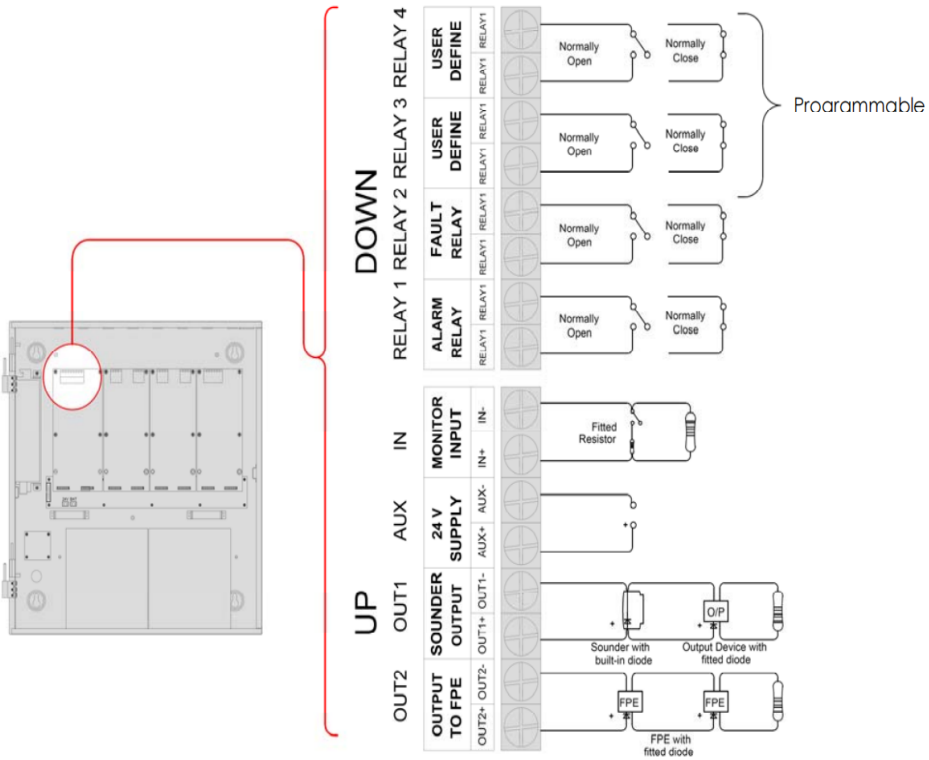
Main Power Supply

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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