



TX7004

Intelligent Fire Alarm Control Panel



Feature and Benefits

Compliance EN54-2 & EN54-4

Using advanced 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 160 LED Zones Indicators

Overview

The TX7004 comprises 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 TX7004 Intelligent Fire Alarm Control Panel is designed and manufactured to meet the requirement of BS EN54 Part 2&4.

The TX7004 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 TX7004 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.



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TANDA Development Pte.Ltd. | DATASHEET

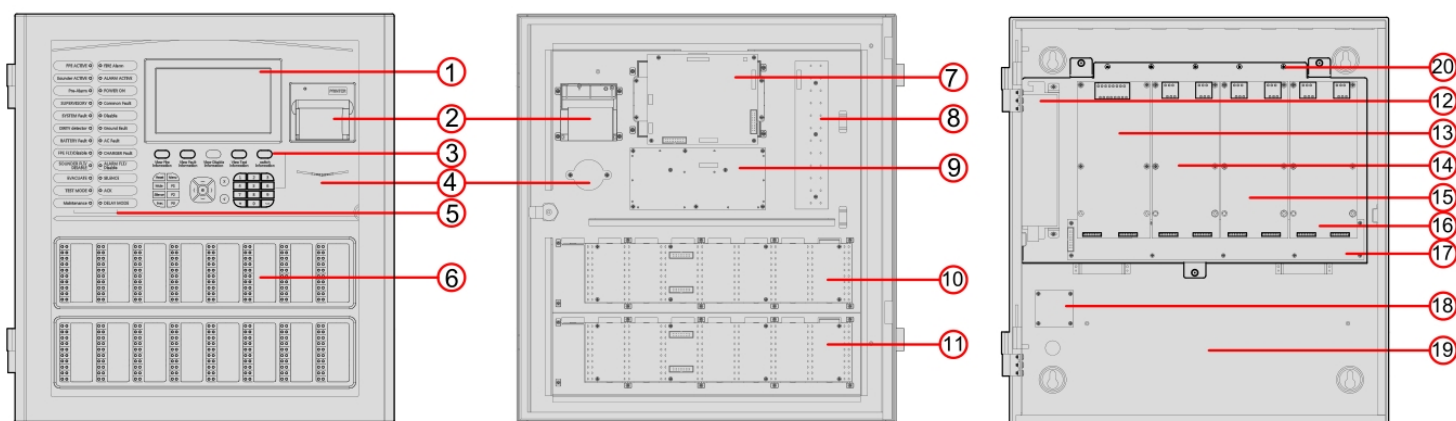
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Technical Specification

Compliance	EN54-2&4
Input Voltage	230VAC+10%-15%, 50Hz (120VAC, 60Hz, it is not applicable for EN 54 & Not tested by LPCB)
Input Current Consumption	1A
PSU Output To CIE	21.5~28.5VDC
Batteries	Maximum Charge Capacity: 2 x 12V / 28AH Maximum Charge Current: 1.2A I maxA: 0.93A I maxB: 2.53A Minimum Quiescent Current: 0.45A (Imin) Maximum Internal Resistance: 1.0Ω PS-12280 12V28AH (Tested With CIE By LPCB)
Recommended manufacturer and model of battery	

Networking and Interfaces	Can Bus [loop]
Panel to panel communication Number of Panels	512
Interface Port	USB, RS485 Serial, RS232 Serial, Ethernet
Dimension L x W x H	530 mm x 490 mm x 135 mm
Weight	16.70 Kg

Wiring Details

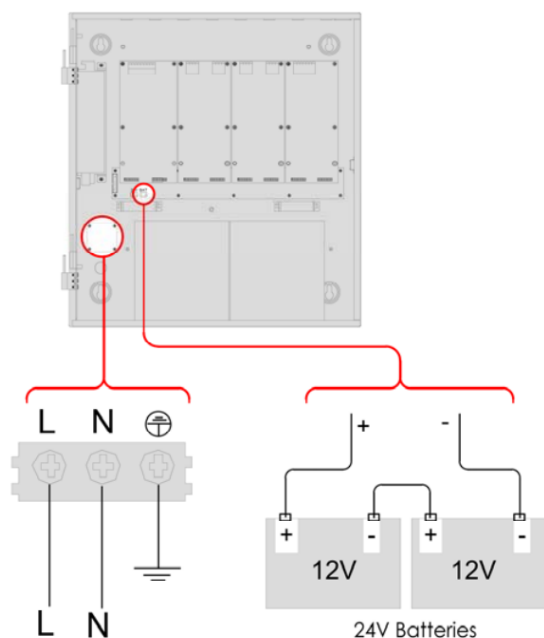


Terminal
Description

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

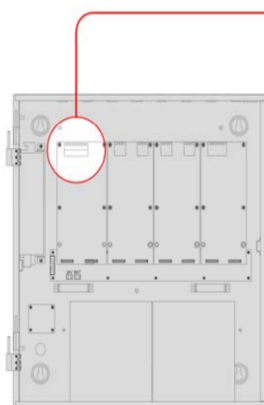


Terminals and Connection



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

