

TX7004

Intelligent Addressable Fire Alarm Control Panel



TX7 DATA SHEET

Overview

The TX7004 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 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.

1 Commissioning Advantage

- Compliance EN54-2 & N54-4
- LPCB Pending
- 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 160 LED Zones Indicators

2 System Capacity

- Up to 4 loop
- Support 254 Devices/One loop (1,016 ideal)
- Network up to 512 Node
- Programmable Capacity
- Zones up to 3000
- Sounders Groups 1-1000
- Other Groups 1001- 2000
- Built-in 160 LED Zones Indicator

3 Commissioning Advantage

- Auto Enrolling of Devices
- Monitor device mismatch and dual address conflict
- Command Builder to create requirements for fire event scenario
- With Loop protection against power surge
- One-man test with On/Off sounder
- Programming Protection

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4 Technical Specification

- Listed LPCB Pending
- Compliance EN54-2 & 4
- Input Voltage 100VAC to 240 VAC 50/60Hz
- Input Current Consumption 1 A
- Panel Rating 24VDC
- Batteries 2 x 12V / 24AH
Rechargeable-Lead acid type battery
- Networking and Interfaces
 - Panel to panel communication Class A, Can Bus [loop]; Panel to Panel 3kms
 - Number of Panels 512
 - Interface Port USB, RS485 Serial, RS232 Serial, Ethernet
- System Capacity
 - Memory [Non-Volatile] 1000 Fire Events, 10,000 General Event
 - Zones 3,000 programmable
 - Total Group 3,000 programmable
 - Sounder Group 1,000 programmable
 - Common Group 2,000 programmable
- Loop Specifications
 - Protocol/Addressing TNA, Value range from 1 to 254
 - No. of Loop 4 Loops Class A
 - Protection Built-in 4kV Surge protection
 - Power rating 24Vdc Output/400Ma
 - Cabling 1.2Km Max Length/2 x 1.5mm²solid core Fire resistance
- Panel Input/outputs
 - Programmable Relays 4 circuits: Normally Open/Close
 - Programmable Input 1 Circuit: Power limited 24Vdc (for future use)
 - Programmable Auxiliary Power Power Limited 24VDC
 - Fixed Outputs 2 Circuits: Power limited 24Vdc
- Indicator 24 LED Status/ 160 Zone Indicators
- Display 7" TFT Touch Screen
- Keypad 5 Brigade buttons and Programming Keypad
- Material / Color Flat sheet Metal / with outer glass door, Orange stripe
- Dimension Lx W x H 530 mm x 490 mm x 135 mm
- Weight 16.70 Kg
- Humidity 0 to 95% Relative Humidity, Non condensing