



TX7002

Intelligent Addressable Fire Alarm Control Panel

Features and Benefits

- Compliance EN54-2:1997 +A1:2006, EN54-4:1997 + A1:2002 + A2:2006
- 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/CanBus/ Serial/RS485 /fiber Optic
- Support Loop Powered devices for extra saving on cable cost
- Optional and 30 LED Zones Indicators

System Capacity

- 1 and 2 loop Panel,
- Support 254 Devices per loop
- Network up to 512 Node
- Programmable Capacity
- Zones up to 3000
- Sounders Groups 1-1000
- Modules Groups 1001- 2000

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.

Commissioning Advantage

- Auto Enrolling of Devices
- Loop Mapping with colour coding status
- Command Builder to create requirements for fire event scenario
- With Loop protection against power surge
- One-man test with On/Off sounder Programming Protection

Technical Specification

Listed	Pending
Compliance	EN54-2:1997 +A1:2006, EN54-4:1997 + A1:2002 + A2:2006
Power Rating	
Input Voltage	100-240VAC +10%-15%, 50/60Hz
Input Current Consumption	1 A
PSU Output to CIE	24.5 to 28.5 VDC
Batteries	2 x 12V / 24AH
Networking and Interfaces	
Panel to panel communication	Can Bus [loop]
Communication Port	USB Port (Use for Programming)
Number of Panels	512
Interface Card	USB, RS485 Serial, RS232 Serial, Ethernet (Optional NC7004)
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	T&A, Value range from 1 to 254
No. of Loop	1 Loop (Model TX7001), 2 loop (Model TX7001-2)
Protection	Built-in 4kV Surge protection
Power rating	24Vdc / 120mA
Cabling	1.0 Km Max Length/2 x 1.5mm ² solid core Fire resistance
Input/outputs	
Programmable Relays	2 circuits: Normally Open/Close
Programmable Input	1 Circuit: Power limited 24Vdc (for future use)
Programmable Auxiliary Power	19 to 28 VDC (Note: Current Limited)
Fixed Outputs (FPE/Sounder)	1 Circuits: 18 to 28 VDC (Note: Current Limited)
Indicator	24 LED Status/ 30 Zone Indicators
Display	7" TFT Touch Screen
Keypad	5 Brigade buttons and Programming Keypad
Material / Color	Flat sheet Metal, Dark Gray with Orange stripe
Dimension Lx W x H	460 mm x 440 mm x 150 mm
Weight	14.20 Kg
Humidity	0 to 95% Relative Humidity, Non-condensing

Ordering Information

TX7002/1	1 Loop 7" LCD display touch screen, Fitted with 1x Single Loop Card, basic configuration up to 254 Addressable Devices, Optional Printer. Optional Communication Card
TX7002	2 Loop 7" LCD display touch screen, Fitted with 1x Dual Loop Card, basic configuration up to 508 Addressable Devices. Optional Printer. Optional Communication Card