



# TX7002

## Intelligent Addressable Fire Alarm Control Panel

### Feature 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

### 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

### 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.





For Better Protection

Technical Specification

Listed

Compliance

Pending

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]

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

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 1.5mm²solid 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/ 160 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

16.70 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



TANDA UK Limited  
 4th Floor 30-31 Furnival Street, London, EC4A 1JQ,  
 United Kingdom  
 T +44 845 116 2924  
 Email: info@tandauk.com  
 Web.: www.tandauk.com

TANDA UK LTD | DATASHEET

Copyright © The information contained within these data sheets remains the property of TANDA UK LTD. and is not to be altered or reproduced without written permission. TANDA reserves the right to change any specification without giving prior notice.