C60-TX7004

Intelligent addressable fire alarm control panel

LPCB

CE

EN54-2/4
1330h-(cl-1)

0832-CPR-F2013
Y17

The TX7004 comprises a range of analogue addressable, microprocessor based fire alarm control equipment. It is designed to provide early warning of fire detection, identify quickly the location of fire, and provide user definable text informing potential smoke spread. Simultaneously, it alerts and helps to evacuate the occupants, and controls all necessary auxiliary command functions such as elevator control, gas shut off, damper control, etc.

Feature

• LPCB approved
• EN54-2 compliance
• Advanced microprocessor technology with large memory capacity
• Enhanced user interface combining wide LCD touch screen, color display and access keypad
• Support real time visual algorithm
• Enhanced false alarm prevention
• Keypad and PC programming
• Support loop-powered devices so to save cable cost
• Built-In printer and 160 LED zone indicators
• Auto enrolling of devices
• Command builder to create requirements for fire event scenario
• With loop protection against power surge

System Capacity

• 1 ~ 4 loop (4 loop standalone)
• Support 254 devices per loop (1,016 ideal)
• Network up to 512 node
• Programmable capacity
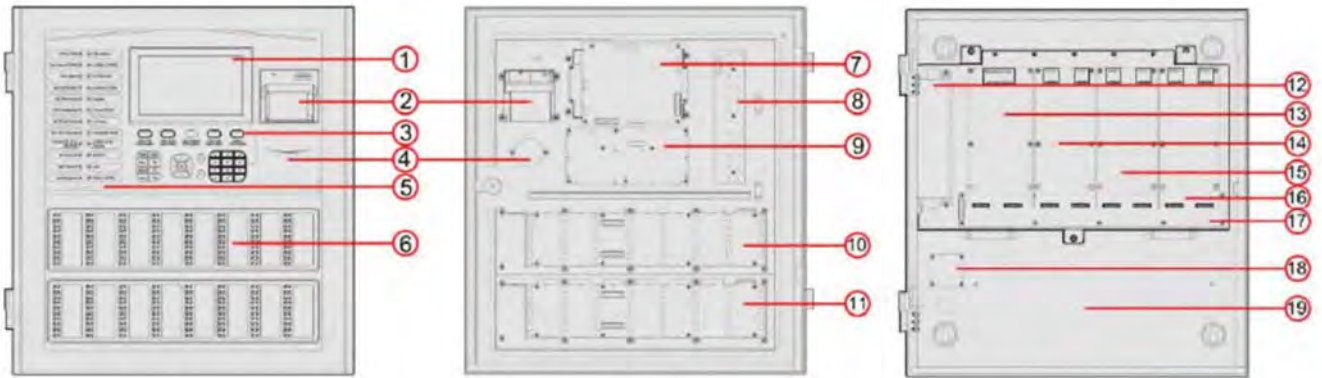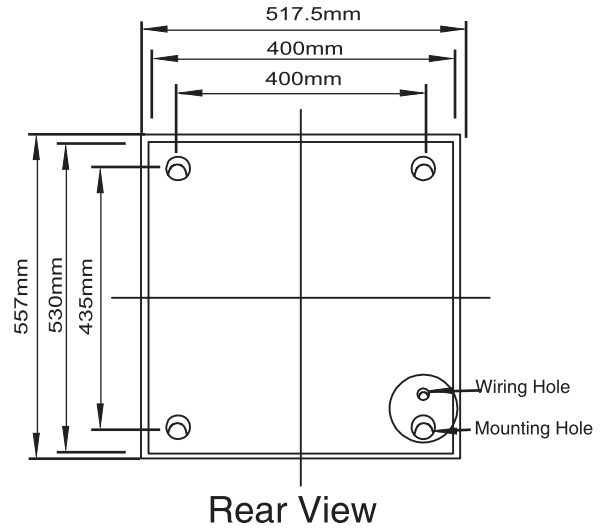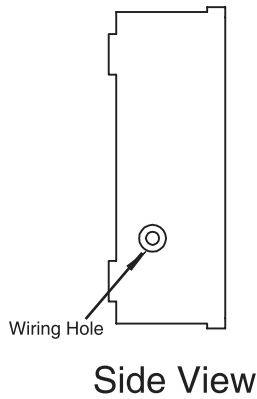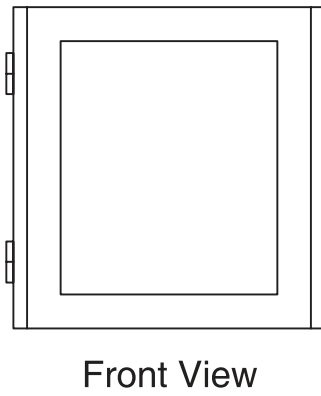• Zones up to 3000
• Groups up to 3000

C60

UL   FM APPROVED   NFPA   LPCB   VdS   CE   ISO 9001

Knock-out Holes

Top View

517.5mm
400mm
400mm

557mm
530mm
435mm

Wiring Hole
Mounting Hole

Front View

Wiring Hole

Side View

Rear View
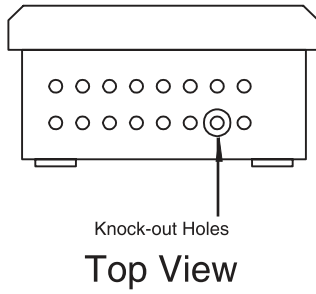
Figure 2

① LCD Touch Screen
② Printer
③ Operational Keypad
④ Buzzer
⑤ Status LED Indicator
⑥ Zone LED Indicator
⑦ Main Board

⑧ LED Circuit Board
⑨ Keypad Circuit Board
⑩ First Zone LED Board
⑪ Second Zone LED Board
⑫ Power Supply Unit
⑬ Power Management Board
⑭ Loop 1 & 2 Board

⑮ Loop 3 & 4 Board
⑯ Communication Board
⑰ Mother Board
⑱ Power terminal Board
⑲ Battery Space

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Technical specification

• **Power rating**

Input voltage:	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:	CAN Bus (loop)
No. of panel:	512
Interface port:	USB, RS485 & RS232 Serial, Ethernet

• **System capacity**

Memory (Non-volatile):	1000 fire events, 10,000 general events
Zones:	3000 programmable
Sounder group:	1000 programmable
Common group:	2000 programmable

• **Loop specification**

Protocol / addressing:	T&A, value range from 1 to 254
Loop:	1, 2, 4 loop
Protection:	Built-in 4kV surge protection
Power rating:	16 to 24VDC
Cabling	Max 1.2Km length / 2x1.5mm² solid core fire resistance cable

• **Input/outputs**

Programmable relays:	4 circuits: normally open/close
Programmable input:	1 circuit: power limited 24VDC
Programmable aux. power:	19 ~ 28VDC (Current limited)
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

• **Others**

Material:	Flat sheet metal with outer glass door
Color:	Black base with orange stripe
Dimension:	530 mm x 490 mm x 135 mm
Weight:	16.70 Kg
Temperature:	-5°C to 40°C

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