INTELLIGENT ADDRESSABLE FIRE ALARM CONTROL PANEL

The NFA-T04FP Intelligent Fire Alarm Control Panel is microprocessor-based, analogue addressable, and offers customers flexibility in terms of both functionality and design. The NFA-T04FP Intelligent Fire Alarm Control Panel is designed and manufactured to meet the standards of BS EN 54-2&4. This would provide customers with early notice of any fire and the trouble status of device on the property. It would also help to identify the location of any fires and enable preventive measures to be taken as per cause-and-effect requirement configured through command builder set up. like Elevator Control, Air Handling shut down, Gas shut off and Damper control etc. Moreover, dedicated circuits provided for Notification Appliances which allows the panel to give quick alert to the tenants to evacuate the premise.

SCOPE OF THE SYSTEM

- LPCB approved
- EN 54-2 :1997 + A1:2006,EN 54-4:1997 + A1:2002+ A2 :2006 certified
- Networkable
- LCD Touchscreen and Keypad access for user interface
- Advanced microprocessor technology with large memory capacity
- PC and Keypad programming
- Support real time visual algorithm
- False alarm prevention
- USB/Ethernet/CanBus/Serial/RS485 built in interface protocol (Available only in NFA-T04FP Panel)
- Built in printer and 160 led zones indicators
- Loop powered devices supports

SYSTEM FEATURES

254 devices per loop
Maximum 4 loop in Network application
Built in 4 in 1 communication card
6 Loop can support in stand alone basis
Networkable upto 512 Nodes
Dedicated 2 loop for NAC
Programmable capacity
Sounder groups 1-1000
Module groups 1001-2000
Zones up to 3000
Built -in 160 LED Zones indicator

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FIRE ALARM CONTROL PANEL
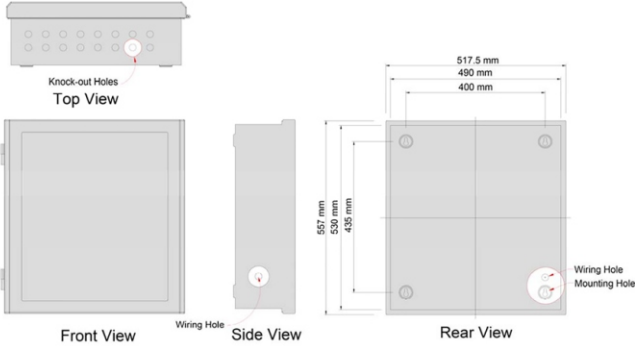
PROGRAMMING ADVANTAGES

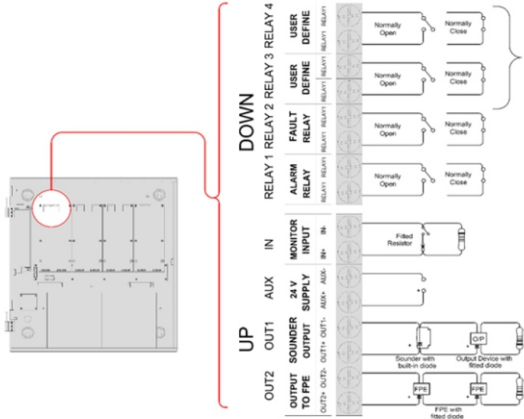| |
|---|
| Command Builder to create requirements for fire event scenario |
| Auto enrolling of devices |
| Monitor device mismatch and dual address conflict |
| Loop protection against power surge |
| Loop mapping with color coding status |
| One man test with on/off sounder programming protection |

TECHNICAL INFORMATION

Characteristic	Value
Listed	LPCB
Certified	EN 54-2 :1997 + A1:2006,EN 54-4:1997 + A1:2002+ A2 :2006 Certified
No. of Loop	4 Loop
Addressing	Value range from 1 to 254
Protection	Built in 4KV surge protection
Power Rating	16 to 24 VDC
Cabling	1KM max length 2 x 1.5 mm² solid core Fire resistance
Panel Topanel Communication	Can Bus[loop]
Interface Cards	USB,RS485 Serial,RS232 Serial,Ethernet
Input Voltage	230 VAC + 10%-15%, 50/60Hz
Input Current Consumption	2A
PSU Output To CIE	21.5 to 28.5 VDC
Batteries	2 x 12V/28 AH
Memory (Non-Volatile)	1000 Fire events,10000 General event
Zones	3000 Programmable
Total Group	3000 Programmable
Sounder Group	1000 Programmable
Common Group	2000 Programmable
Display	7" TFT Touch screen
Keypad	5 Brigade buttons and programming keypad
Programmable Input	1 Circuit: Power limited 24 VDC (for future use)
Programmable Relays	4 Circuits : Normally Open/Close
Programmable Auxiliary Power	19 To 28 VDC (Note :Current limited)
Fixed Outputs(FPE/Sounder)	2 Circuits: 18 to 28 VDC (Note: Current limited)
Indicator	24 LED Status/ 160 Zone Indicators
Material/colour	Flat Sheet Metal With Outer Glass Door/Silver Stripe
Dimension L x W x H	530 mm x 490 mm x 135 mm
Weight	16.7 Kg
Humidity	0 to 95% Relative Humidity,Non condensing
Temperature	-5˚C to + 40˚C

Fire Alarm System

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FIRE ALARM CONTROL PANEL

CABINET DETAILS

Knock-out Holes
Top View

Front View   Wiring Hole   Side View   Rear View

517.5 mm
490 mm
400 mm

557 mm
530 mm
435 mm

Wiring Hole
Mounting Hole

INPUT/OUTPUT WIRING DETAILS

LOOP AND NETWORKING DIAGRAM

LOOP 01

Out to first device
Loop Out

Loop In
In from last device

NETWORK

In from last panel
Loop
Out to next panel
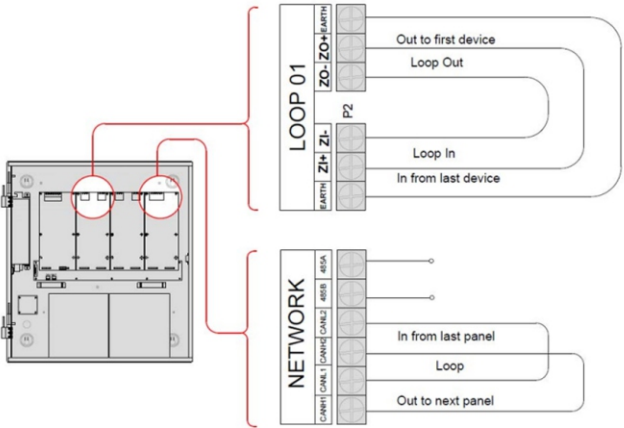
ORDERING INFORMATION

Part Number	Description
NFA-T04FP	4 Loop LPCB Approved. 7" LCD display touch screen, Fitted with 2x Dual loop card, basic configuration up to 1016 Addressable Devices, Expandable to 6 loop by adding loop.Built in Glass Door and Printer. Built in 4 in 1 Communication card.
NFA-T04-2FP	2 Loop LPCB Approved. 7" LCD display touch screen, Fitted with 1x Dual loop card, basic configuration up to 508 Addressable Devices, Expandable to 6 loop by adding loop card.Built in Glass Door and Printer. Optional 4 in 1 Communication card.
NFA-T04-1FP	1 Loop LPCB Approved. 7" LCD display touch screen, Fitted with 1x single loop card, basic configuration up to 254 Addressable Devices, Expandable to 6 loop by adding loop card.No Glass Door, Optional Printer and 4 in 1 Communication card.