



FIRE CONTROL PANELS – INTELLIGENT TC5808 – 8 LOOP PANEL



8 LOOP INTELLIGENT
FIRE ALARM CONTROL PANEL

DESCRIPTION

The TC5000 series is fully expandable from 2 to 8 loops and supplied with eight on-board sounder circuits, 20 programmable Zonal LEDs with slide-in labels, and 25 System LEDs for information purposes. There are also eight programmable function buttons with LED indication for confirmation of operation.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution, high contrast, graphical LCD display and tactile keypad providing a simple 'Select & Click' programming aid for engineer configuration and end-user operation.

Powerful cause-and-effect programming coupled with dynamic zoning, and enhanced Trace Diagnostics makes the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable on-site via the on-board alphanumeric keypad, or PCNet configuration software.

PC SOFTWARE

An extensive suite of user-friendly Windows-based PC software programs has been developed to enhance your experience when using the TC5000 series fire panels. The suite incorporates a number of different programmes to include a configuration, service, logo and virtual panel tool to allow the flexibility of the equipment to be fully explored.

NETWORK

The network card allows the panel to communicate with any other TC5000 or TC4000 fire panel, remote terminal, or network peripheral, such as ipGateway™ or BMS/graphical interface. The network operates as a true peer-to-peer system and can be configured in a fault-tolerant loop or radial format.

FEATURES

- Dedicated 2–8 Loop Control Panel
- Approved to EN54 Parts 2, 4 and 13
- Global Compliance
- 3 Year Warranty
- Programmable Push-buttons
- Multiple Languages
- Fully Networkable
- 20 Zonal / 25 System LEDs with slide-in labels

KEY FEATURES

- Fully expandable from 2–8 loops via plug-in loop driver boards.
- 20 programmable Zonal / 25 System LEDs with slide-in labels.
- Dedicated loop driver for Apollo or Hochiki protocol support.
- Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware.
- Dual flash-based microprocessor technology with real-time clock on-board.
- Dedicated USB & RS232 serial port for direct PC or modem connection.
- Installer friendly auto-learn, loop detection and on-board Scope facility for ease of commissioning and fault finding.
- Fully programmable via the on-board alphanumeric keypad, or PC configuration tools.
- The graphical display can be configured to operate with virtually any language or character set, and allow the installer's logo to be applied using the Logo application software.
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- Integral P-Bus for system expansion via available option cards.
- AdNet peer-to-peer network with up to 2,000 zones.





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SPECIFICATIONS

Base Technology	Dual flash-based processors with Real-Time Clock, Trace Diagnostics, Programmable Languages and Character Sets
Display	White Backlit 240x 64 Graphical LCD
LED Indicators	22 Red (1x Fire, 1x More Alarms, 20x Zonal Programmable); 1 Green (Power); 13 Amber; and 7 Bi-colour (Fault & System)
Controls	Alphanumeric keypad permitting Navigation, Reset, Mute, Silence, Resound, Evacuate, and 2x Four Programmable Push Buttons
Protocols	Apollo (XP95 / Discovery)
Number of Fire Zones	2,000 when networked (400 max across 8 loops)
Number of Loops	Dedicated 2-8 loop control panel
Devices per Loop	Protocol dependent
Loop Current	500 mA max per loop
On-Board Sounder Circuits	8x 1 Amp programmable
On-Board Relays	4x 1 Amp 30 V AC/DC programmable (10 mA, 5 V min) – expandable to 8 using 2x AE-TCP-507
Auxiliary Supply	2x 24 V 500 mA 2
Programmable Input	2x On-board Programmable Input
Programmable Key Switch Inputs	16 volt free digital inputs
Total Available Output Current	2x 5 A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200–240 V 47-63 Hz AC (+10%, -15% tolerance) 1.4 A max
Battery Capacity	2x 24 V 4 Ah internal (min), 2x 24 V, 18 Ah internal (max), or 1x 24 V 45 Ah internal (max) and 1x 24 V 45 Ah external (max) using optional battery enclosure
Charger Current	2x 2.0 A temperature compensated
Serial Ports	2x on-board RS232 connection for PC, modem, IP or portable printer
USB Interface	2x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	2x 5,000 Event & Diagnostic + 500 Fire
Printer	On-board optional
Enclosure / Colour	Steel IP30 / RAL7035
Cable Entry	30x top; 6x rear; 3x bottom; 2x double knockout rear (20 mm knockouts)
Size H x W x D mm	750 x 450 x 190
Metalwork Options	Flushing Bezel, Battery Box, Utility Enclosure, Termination Enclosure and Rack Mount

ORDERING INFORMATION

Product Code	Product Description
AE-TC5808	8 Loop Intelligent Control Panel c/w 8 Loops (Standard Network)
AE-TC5808-FT	8 Loop Intelligent Control Panel c/w 8 Loops (Fault Tolerant Network)

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