



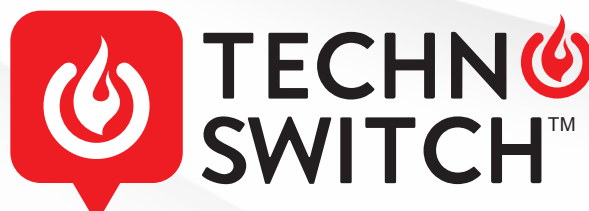
FIRE CONTROL PANELS TC5000 INTELLIGENT RANGE

OUR MOST ADVANCED PANEL

*A high performance, intelligent
fire panel range fully approved to
EN54 Parts 2, 4 and 13*



 Advanced





The TC5000 range offers industry-leading power and performance and is packed with configuration, display, status and control options in its interface. Its processing power means it delivers more features than other panels, an advantage it will maintain for years.

Every TC5000 panel supports Advanced's unbeatable networking capabilities and Dynamix Tools fire panel software, making it easy to use and configure, from the smallest to the largest of sites with the most complicated cause-and-effects.

FEATURES

- 1, 2, 4 or 8 loop formats
- Up to 254 devices per loop (protocol dependent)
- Up to 2,000 fire detection zones
- Over 200,000 devices per network
- True peer-to-peer networking
- Networkable up to 200 nodes
- Supports intelligent remote terminals, BMS interface, IP Gateway and programmable I/O devices
- Built in oscilloscope, voltage and current meters
- Circuit monitoring from any panel or repeater
- On-board or optional remote battery temperature sensor
- Direct USB and RS232 PC connections
- Advanced's simple select and click programming and configuration
- Auto-learn and loop detection
- 5,000 event log entries
- Complete device history from each panel
- Quick start and protect – a working system after an Auto-learn
- Peripheral expansion built in
- 20 built-in, fully programmable LEDs
- Four programmable push buttons
- 200 programmable false alarm management areas per panel
- Programmable screen logo
- Timed enablement of isolated zones, input and output devices
- Advanced logic delivering huge configuration opportunities
- Backward compatible with TC4000 network
- Compatible with Apollo Discovery, XP95, Argus Vega, Hochiki ESP and Nittan Evolution protocols
- French version available
- Approved to EN54 Parts 2, 4 and 13

WHY EN54 PART 13?

Part 13 compliance ensures that a fire system will continue to perform to its maximum capability during a fire situation.

Increased current in alarm conditions combined with a high resistance

connection (such as an incorrectly tightened screw in a sounder base) could prevent the sounders and beacons from operating on what would have incorrectly appeared to have been an acceptable 'fault free' installation.

The TC5000 is one of the few EN54 Part 13 approved panels available. It continuously monitors all transmission lines for compliance, checking and reporting faults every minute of every day.

TC5000 — REMOTE TERMINALS

- Four types available including:
 - **TouchControl** touchscreen with active maps
 - Remote Display Terminal
 - Remote Control Terminal with additional Mute, Silence, Reset and Resound keys
 - Remote Control Terminal with additional LED status indication, four programmable push buttons, Mute, Silence, Reset, Resound, Lamp Test and Evacuate Keys.
- Optional level 2 access enable key switch. (Not TouchControl)
- Integrated standard or fault-tolerant network interface with screen termination point
- Programmable display for up to 2,000 zones along with sector based controls





FIRE CONTROL PANELS

TC5000 INTELLIGENT RANGE

ADVANCED NETWORKING

Our high-performance network technology works across the TC5000 or TC4000 range, delivering the most effortless setup and best-performing fire panel networks. It provides both the benefits of distributed intelligence and reduced installation costs whilst catering for the smallest two-panel network through to the most extensive 200-panel, wide-area, networked system. The network operates as a true peer-to-peer system and does not rely on a single 'master' panel to function.

ipGateway

ipGateway provides a secure, remote internet connection to an Advanced fire system via a standard web browser. No special software is required. The state of each device on the network is displayed and users can Enable/Disable zones, Enable/Disable devices, Reset, Mute, and Silence/Resound sounders on the network. The ipGateway can also be configured to react to events on the network by sending emails or SMS messages to configured recipients.

PCNet Graphical Control Software

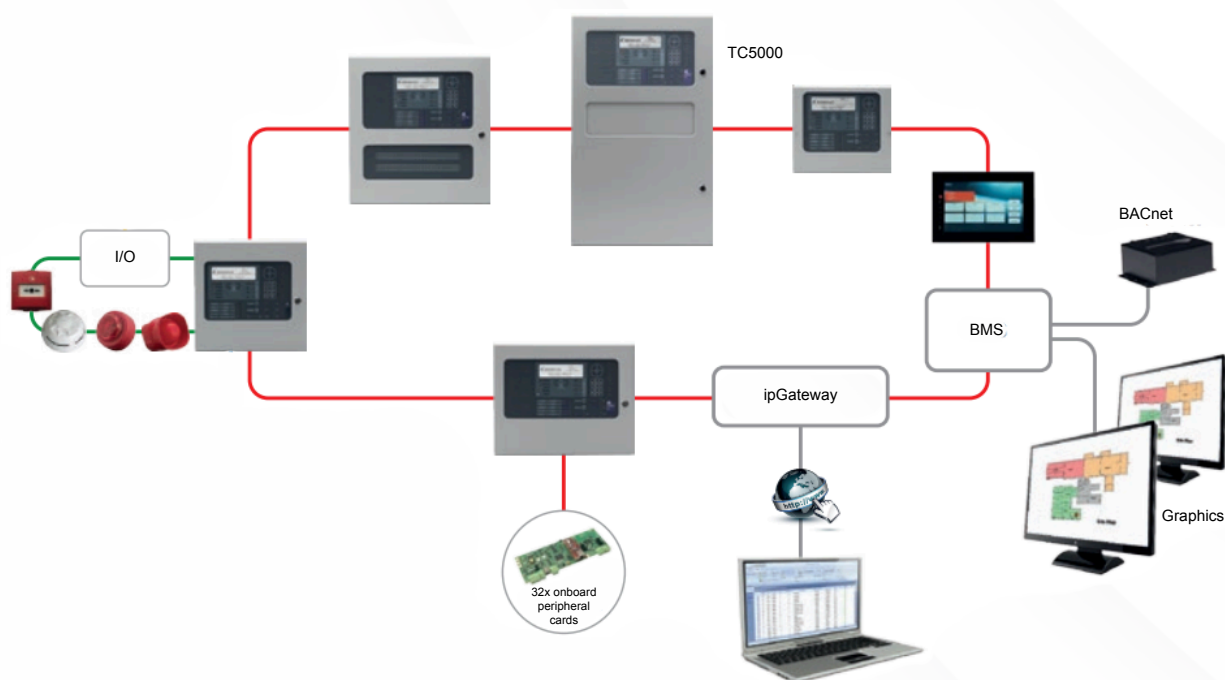
- Highly configurable to specific system
- Our graphical control software monitors the entire fire system through site maps, text and icons
- Users can isolate by selecting icons and devices
- Fire panel controls include Mute, Silence, Re-sound, Reset, Disable/Enable and Evacuate
- Event reports and log with analysis features

Advanced BMS

The BMS Interface allows any TC5000 or TC4000 system to interconnect and communicate with independent third-party BMS (Building Management Systems) as well as PC-based graphical control systems. This allows the fire system to be managed using existing fire or facilities management systems.

The physical connection to the external system is via a serial connection allowing the external BMS/Graphics systems to issue commands and receive information – the BMS interface handles all network traffic and event prioritisation.

Multiple BMS interfaces can be connected to an AdNet network allowing independent connections to a wide range of control systems.





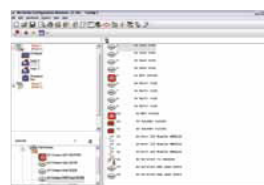
FIRE CONTROL PANELS TC5000 INTELLIGENT RANGE

DYNAMIX TOOLS

Dynamix Tools fire system software is easy to operate, easy to understand and makes the complicated simple. It comprises a range of specific tools, enabling users to achieve what they want quickly and easily, not get bogged down in large, clumsy and complicated software. New features and performance enhancements are being added continually — recently these have included comprehensive false alarm management and alarm verification features.

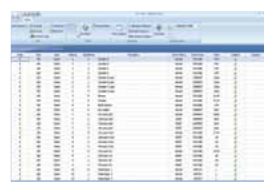
Config Tool

- Full configuration of single panel or network system
- Automatic design check of site configuration
- Assistant's menu helps the engineer to easily configure panels
- Import, export information and print configuration reports



Service Tool

- Extract device information and event logs from single or multiple panels
- Device History including last activation, test, enable, disable and date created
- User defined filters allow data to be grouped and searched in many different ways
- View device status, analogue values and drift (contaminated) information
- Network simulation and test feature
- Categorise events and create User defined reports



Terminal Tool

- Virtual panel display supports remote interrogation
- Direct USB/RS232 or remote Modem/IP connection
- Real time status information and control
- Event log can be downloaded



Map App

- Used to easily add site maps to TouchControl touch screen repeater
- Can use any illustration from a photo to a line drawing, isometric or plan.
- Simply draw hotspots onto drawing to add fire zone
- Export to microSD card to add to TouchControl RCT



ALARMCALM

Complete False Alarm Management

AlarmCalm uses fast hardware, powerful software and intelligent loop devices to build a total solution to false alarms that's powerful and easy to configure.

The AlarmCalm Button is a fully intelligent verification device that is installed on the loop and works with the AlarmCalm software to allow occupants to acknowledge a fire alarm signal locally, if they believe it has been caused by say smoke from toast or shower vapour.



FEATURES

- Complete Cause-and-Effect
- Customised Management for any Site
- Unlimited Points
- Flexible Verification
- Easy Management of Outputs
- Failsafe Operation
- Global Acknowledgement
- Multiple Verification Inputs & Outputs
- Full Event Log
- Simple Software



• **DISCLAIMER:** Although the contents of our product literature have been prepared with the greatest care, Technoswitch can accept no liability whatsoever for any direct or indirect damages of any kind that may arise due to either errors or omissions in them, or amendments to products or other specifications following publication.

© Technoswitch Fire Detection (Pty) Ltd



HEAD OFFICE - JOHANNESBURG
Cussonia Park, Ridge Road, Laser Park, Johannesburg T +27 (0)11 794 9144 E info@technoswitch.co.za
DURBAN T +27 (0)31 266 8843 **CAPE TOWN** T +27 (0)21 948 4575

www.technoswitch.co.za



E & OE Document No: BR TC5000 Range 20230412