



Welcome to the
Next Generation
fire protection systems

www.newagefireprotection.com

Touch Control

Fire Touchscreen. Remote Control Terminal. Active Maps.

TouchControl is Advanced's new touchscreen remote control terminal & repeater. It delivers network monitoring and control as well as active maps and zone plans, all in a package that enhances any architectural environment and is easy to install and configure.

Touch Control includes all the control and indication options you'd expect from Advanced, all managed via its unique 10" HD interface. For the first time there's a fire system touchscreen that looks as good as it performs.



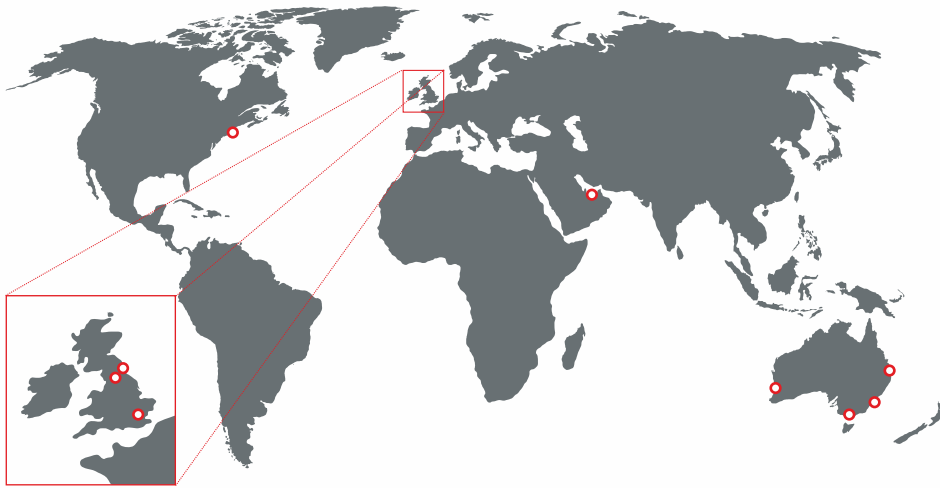
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The Standard in Fire Systems



- Manufacturing and Quality
- Admin
- Customer Service and Support
- R&D

NextGen is Known all over the world for making the best quality, best performing fire systems.

We design 'easy' into all of our products. We make our software intuitive. We deliver fast, accessible support, training and service. Above all, we make it easy to rely on Advanced.

Fire Systems are in our DNA. Our people are among the most talented and experienced in the fire systems business. We train talented engineers and technicians every year. 25% of our business is dedicated to R&D. Our knowledge is unmatched, anywhere in the world and we're determined to keep it there.

Our systems are protecting people and property in over 60 countries worldwide, in many of the most prestigious and challenging locations. We realise our growth comes from the strongest customer relationships. We stay friendly, flexible and reactive to your requirements and our customer serviced is consistently rated excellent.

We manufacture all of our panels in the UK to demanding quality standards and hold global approvals. We enjoy full ISO 9001 compliance across manufacturing and design.





WELCOME
TO THE
WORLD OF
NEXTGEN

The Worldwide Fire System

Axis EN is our solution for customers demanding a high performance EN54 approved system.

Axis EN is built on years of leadership in the analogue addressable fire systems market and is used across the globe in some of the most challenging and prestigious locations.

It combines our most advanced 1-8 loop, networkable fire panels with a complete range of wired and wireless field devices and powerful software and peripherals.

Axis EN is designed to go anywhere you need high quality, reliable and easy to use fire detection and control, from mass transportation and industrial complexes to landmark developments, historic buildings and public services.

Axis EN is part of Advanced's Axis range of systems which hold the key global approvals, including EN54, UL864 and AS1670.7



High Performance Panels

Axis EN is our highest performance EN54 panel range and is fully approved to Parts 2, 4 and 13.

Axis EN is the result of decades of fire alarm and detection experience and research and development involving installers, specifiers, consultants and end users across the world.

Our panels have been designed to offer more user-friendly power and performance. The Axis EN interface has more configuration, display, status and control options into its interface as standard than any other Advanced fire panel, which means less time and expense customising a system with peripherals.

Axis EN's processing power and advanced component design means it delivers more features, an advantage it will maintain for many years to come.

Every Axis EN panel features 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 installations and with complicated cause-and-effect.



Features

- 1, 2, 4 or 8 loop formats
- Up to 240 devices per loop
- Up to 2,000 fire detection zones
- Up to 200,000 devices per network
- True peer-to-peer networking
- Networkable up to 200 nodes
- Supports intelligent/ programmable remote terminals, BMS interface, IP Gateway and I/O Drivers
- Built in 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 & configuration
- Autolearn and Loop Detection
- Quick start and protect - a working system after an Autolearn is performed
- Peripheral expansion built in
- 20 built-in, fully programmable LEDs
- 4 programmable push buttons
- 5,000 event log entries
- Complete device history from each panel
- 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
- Backwards compatible with Mx-4000 range of panels
- Approved to EN54 Parts 2, 4 and 13

Why do I need 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 (e.g. 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.

Advanced's Axis EN is one of the few EN54 Part 13 approved panels available. Axis EN continuously monitors all transmission lines for compliance, checking and reporting faults every minute of every day.



Advanced diagnostics includes 'scope on board'

AXis^{EN} - 1 Loop



- Single loop
- Small enclosure
- Maximum 7Ah internal batteries
- 20 programmable LEDs
- Optional programmable key switch
- Programmable Input
- Medium, Large and Deep enclosure options

AXis^{EN} - 2 Loop



- One or two loops
- Medium enclosure
- Maximum 12Ah internal batteries
- Up to 50 additional programmable LEDs
- Up to 8 programmable key switches or 4 plus printer
- Plexi-glass door option
- Large and Deep enclosure options

AXis^{EN} - 4 Loop



- One to four loops
- Large enclosure
- Standard enclosure supports max 17Ah internal batteries. Deep Enclosure option supports max 45Ah
- Maximum 17Ah internal batteries
- Up to 200 additional programmable LEDs
- Up to 8 programmable key switches or 4 plus printer
- Plexi-glass door option
- Deep and Extended enclosure options

AXis^{EN} - 8 Loop



- Two to eight loops
- Extended enclosure
- Maximum 45Ah internal batteries
- Up to 200 additional programmable LEDs, 2 x switch cards or mimic
- Up to 8 programmable key switches or 4 plus printer
- Plexi-glass door and external battery box option

AXis^{EN} - Integrated Peripheral Bus

- Integrated P-Bus as standard
- Up to 32 expansion cards can be added to an Axis EN panel
- Peripheral expansion option cards include
 - 4 way relay card
 - 4 way sounder card
 - 10 way monitored input card
 - Conventional zone card (8 class B or 4 class A zones + 3 programmable relays)
 - 16 way push button / 48 LED card
 - 16 way input /48 output (direct drive LED outputs)
 - Fire and Fault Routing / Protection Card
 - Redundant Controller
 - Smoke Control Interface

AXis^{EN} - 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

AXis^{EN} - Rack Mount

- Rack mountable control panels
- Additional 16U and 20U high IP55 enclosures
- Rack mount peripheral chassis plate, LED and switch card module options
- Dedicated Mimic door option



Axis EN's loop device range is highperformance, easily installed and maintained and offers a range of features and benefits suitable for almost any configuration.

Wired and wireless devices can be added to the same system, allowing Axis to go as large and as wide as you need it. Detectors come in a range of decorline finishes suitable for any location from sensitive, historic buildings to modern and industrial developments.

Detectors come in fully featured and 'lite' ranges allowing Axis to fit financial as well as performance criteria. All devices are ultra-low current, allowing up to 240 devices per loop.

A complete conventional range is also available for use with Axis control panels and interfaces.

Wired Range Sensors and Bases

Photoelectric Smoke



- Auto or manual addressing
- 360° red/green LED
- Magnet test feature
- Day/night operation
- 4 selectable alarm thresholds
- Bi-directional short circuit isolators

Photoelectric Smoke Lite



- Manual addressing via handheld programmer
- 360° visible red LED
- Day/night operation
- 4 selectable alarm thresholds

Relay Base



- Direct activation of external devices
- Conduit adaptor available

Standard Base



- Low profile
- Secure cable terminations
- Deep base variant
- Conduit adaptor available

Multicriteria



- Combined optical smoke and heat sensor
- Auto or manual addressing
- 360° red/green LED
- Magnet test feature
- Day/night operation
- 9 selectable alarm thresholds
- Bi-directional short circuit isolators

Multicriteria Lite



- Combined Optical smoke and heat sensor
- Manual addressing via handheld programmer
- 360° visible red LED
- Day/night operation
- 9 selectable alarm thresholds

Class A1R & B Heat



- A1R and B classification
- Low thermal inertia
- Auto or manual addressing
- 360° red/green LED
- Magnet test feature
- Bi-directional short circuit isolators

Heat Lite



- Low profile
- Secure cable terminations
- Deep base variant
- Conduit adaptor available

Call Points

Resettable



- Mimics feel of break-glass
- Indicator drops into view upon activation
- Reset using a special key
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED

Waterproof Resettable



- IP67 rated
- Mimics feel of break-glass
- Indicator drops into view upon activation
- Reset using a special key
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED

Options

Decorline



- Special finishes for Axis EN detectors, specified by the customer, unobtrusive and suitable for any location

Conventional



- A full range of conventional detectors, sounders, beacons and call points are available

Modules

Single Input



- Input monitored for normal, short, alarm and open conditions
- Available in wall mount, mini, micro and DIN rail formats
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED
- Plug in connections

Monitored Output



- Output monitored for open and short circuits
- Available in wall mount, mini and DIN rail formats
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED
- Plug in connections

Single Input and Single Relay Output



- Input monitored for normal, short, alarm and open conditions
- Programmable Form C changeover contact for auxiliary device control
- Available in wall mount, mini and DIN rail formats
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED
- Plug in connections

Conventional Zone Module



- Compatible with majority of EU detectors
- External or loop powered
- Adjustable current limit by panel
- Identifies all conditions on conventional zone
- Auto or manual addressing
- Bi-directional short circuit isolators
- Programmable Form C changeover relay included

Single Relay Output



- Programmable Form C changeover contact for auxiliary device control
- Available in wall mount, mini, micro and DIN rail formats
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED
- Plug in connections

Single Input and Supervised Output



- Input monitored for normal, short, alarm and open conditions
- Output monitored for open and short circuits
- Available in wall mount, mini and DIN rail format
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED
- Plug in connections

Sounders and Beacons

Waterproof Wall Sounder



- Low current consumption
- Dual, continuous or pulsed tone selectable from panel
- Rotary volume control
- Auto or manual addressing
- Bi-directional short circuit isolators

Wall Sounder



- Low current consumption
- Available in red or white
- Dual, continuous, pulsed, slow whoop, continuous or sweep tone
- Volume and tone selectable by DIP switch
- Auto or manual addressing
- Bi-directional short circuit isolators

Waterproof Wall Sounder



- EN54-23 approved
- Low current consumption
- Volume and tone selectable via DIP switch
- Auto or manual addressing
- Bi-directional short circuit isolators
- Waterproof version available

Wall Sounder



- EN54-23 C 3 – 7.5 classification
- Low current consumption
- Can be driven directly from an addressable output or wireless battery output module.
- Two variants: 1Hz flash (20mA@24V) and 0.5Hz (10mA @ 24V)
- Low profile

Waterproof Wall Sounder



- Low current consumption
- Up to 31 selectable tones
- Volume and tones programmable at panel
- Individually controllable LED beacon
- Auto or manual addressing
- Bi-directional short circuit isolators

Wall Sounder



- Low current consumption
- No addressing required
- Volume & tones selectable by DIP switch
- Available with or without LED beacon

Accessories

Programming Unit



- Allows manual addressing of Axis EN devices
- Detectors directly mounted. Other devices via cable
- Provides additional device parameters

Intelligent Remote Indicator



- Low current consumption
- Output programmable by panel
- Auto or manual addressing
- Bi-directional short circuit isolators

AlarmCalm Button



- Intelligent loop device
- Easy installation
- Used with AlarmCalm software for false alarm verification

AlarmCalm: False Alarm Management

Wireless Range

Translator Module



- Seamlessly integrates wireless devices onto wired loop
- Each Translator supports 32 wireless devices
- Multiple Translators can be added to one loop
- Loop powered
- Bi-directional comms with all devices
- Full analogue addressable integration - transmits all device info to panel
- Each wireless device seen individually on loop

Expander Module



- Used to boost wireless network range
- Up to 7 Expanders used with each Translator
- Easy installation, externally powered
- Bi-directional comms with all devices
- Patented double antenna for signal reliability
- Flexible microcell structure

Wireless Photoelectric Smoke Detector



- Fully intelligent devices
- Powered by low cost lithium batteries
- Primary and secondary batteries continuously monitored
- Bi-directional comms with Translator
- Auto frequency adjust and power management

Wireless Multicriteria Detector



- Fully intelligent devices
- Powered by low cost lithium batteries
- Primary and secondary batteries continuously monitored
- Bi-directional comms with Translator
- Auto frequency adjust and power management

Wireless Wall Sounder



- Powered by low cost lithium batteries
- Rotary volume control
- Pulsed, dual or continuous tone
- Tone selected by internal switches
- Bi-directional comms with Translator
- Auto frequency adjust and power management

Wireless Heat Detector



- Fully intelligent devices
- Powered by low cost lithium batteries
- Primary and secondary batteries continuously monitored
- Bi-directional comms with Translator
- Auto frequency adjust and power management

Wireless Remote Indicator Lamp



- Provides visual indication of inaccessible detectors.
- Programmable output device, controlled by Axis fire panel
- Powered by low cost lithium batteries
- Primary and secondary batteries continuously monitored
- Bi-directional comms with Translator

Wireless Output Module



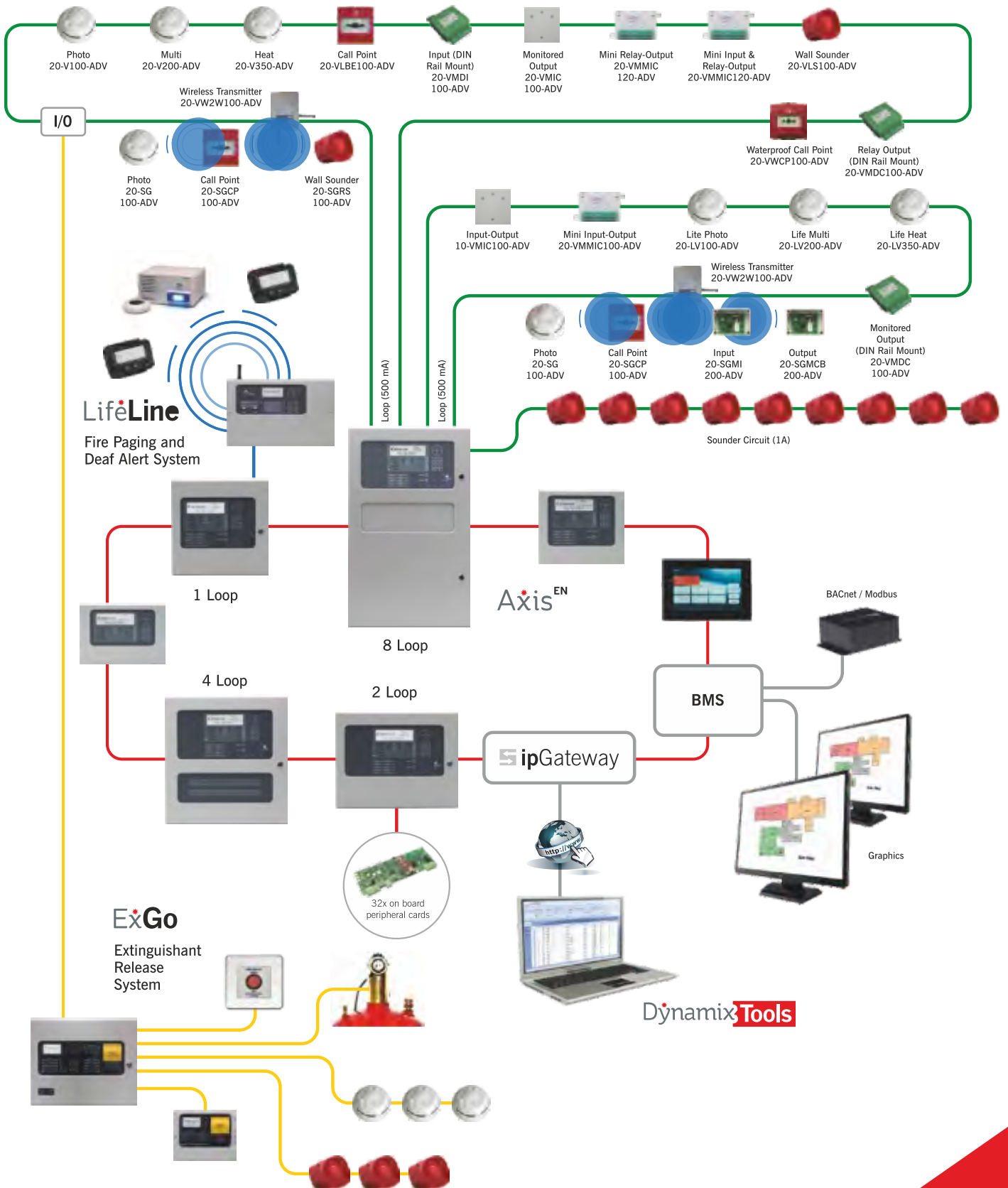
- Programmable Form C changeover contact for auxiliary device control
- External or battery powered modules available
- Bi-directional comms with Translator
- Auto frequency adjust and power management

Wireless Input Module



- Input monitored for normal, short, alarm and open conditions
- Provides on/off status info to control panel
- Powered by low cost lithium batteries
- Bi-directional comms with Translator
- Auto frequency adjust and power management

Sample System Diagram



NewAge NextGen Networking

Our high performance network technology works across the NextPro range delivering the easiest setup and best performing fire panel networks available.

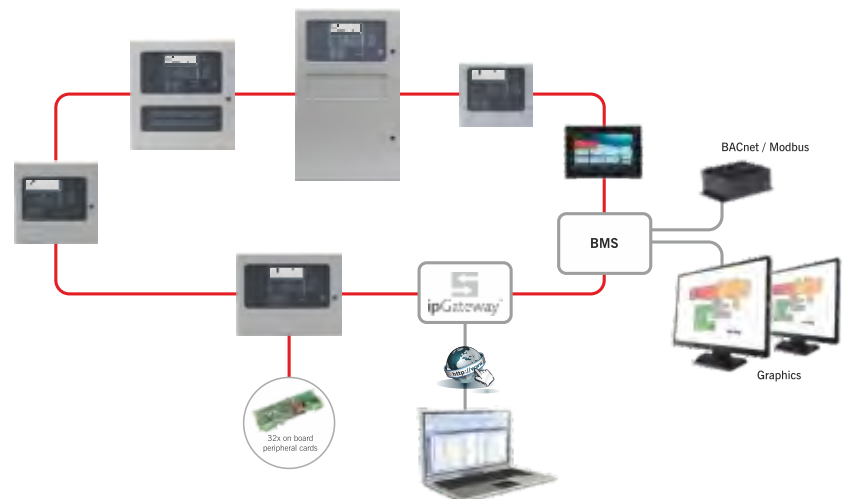
Advanced Networking allows all NextPro series control panels, remote terminals and network peripherals to be connected together using standard fire resistant two-core cable. It provides both the benefits of distributed intelligence and reduced installation costs whilst catering for the smallest two-panel network through to the largest 200 panel, wide-area, networked system.

The zoning facility allows the networked system to share up to 2,000 zones giving non-confusing indication and allowing true peer-to-peer cross panel report, control and site-wide cause and effect functionality. Simply adding and connecting a network card allows any MxPro control panel or remote terminal to be networked.

Autolearning the devices, adding text and assigning the zone numbers allows a working and compliant fire system to be achieved easily. All other nodes on the system will be instantly aware of a panel as soon as it is given a valid network node address, allowing additional panels to be added at any time with a minimum amount of reprogramming.

All panels provide valuable diagnostic and status information and also have the facility to prevent the transmission of fires or faults during commissioning. For more complex systems, our Dynamix Tools software makes for easy configuration of complicated cause-and-effect, whilst all the configuration data is contained within one user-friendly network configuration file.

The network operates as a true peer-to-peer system and is therefore not reliant on a single 'master' panel to function. It allows information from any input or output device to be passed over the network and displayed on any MxPro control panel or remote terminal as required. Details include Fire, General Alarm, Pre-alarm, Fault, Control Inputs and Disablement as well as analogue values, test instruction and status information.



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 message to configured recipients.

PC-Net 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 allow any MxPro system to interconnect and communicate with independent 3rd 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 facilitiesmanagementsystems.

Physical connection to the external system is via a serial connection allowing the external BMS/Graphics systems to issue commands and received information whilst the BMS interface handles all network traffic and event prioritisation Multiple BMS interface can be connected to an AdNet network allowing independent connections to a wide range of control systems.

NextGen Tools

NextGen Tool is fire system software designed for users. It is easy to operate, easy to understand and makes the complicated simple.

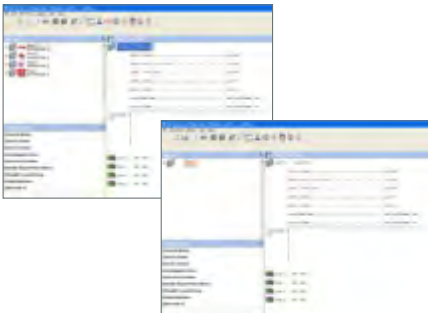
NextGen Tools is comprises a range of specific tools allowing users to achieve what they want quickly and easily, not get bogged down in large, clumsy and complicated software.

NextGen Tools is being continually developed for Axis EN panel range adding new features and performance enhancements. Recently these have included comprehensive false alarm management and alarm verification features.

Our position in this global fire industry means we help guide legislation and can implement software changes quickly, keeping our customer systems right up to date. We also listen closely to our customers and often produce features for specific client requirements.

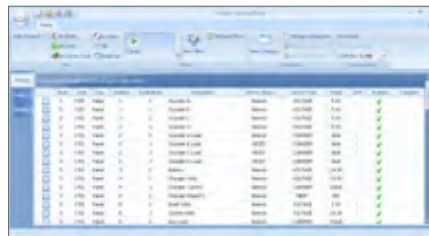
Config Tool

- Full configuration of single panel or network system
- Automatic design check of site configuration
- Assistants 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 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
- Categories 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



Logo Tool

- Allows the installer's logo to be displayed on the panels graphical LCD display during Normal Operation
- Uploads standard bitmap images
- Tool allows creation of logos
- JPG and GIF images can be imported



Map App

- Used to easily add site maps to Touch Control 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 micro SD card to add to Touch Control RCT



Touch Control

Touchscreen. Remote Control Terminal. Active Maps & zone Plans.

TouchControl is Advanced's innovative new remote control terminal and repeater. Easily installed, its HD display enhance any architectural environment and takes system control and monitoring to the next level.

Features

- **Attractive, low-profile HD display**
10" screen enhances prestigious environments.
- **Easily Slide-in-installation**
Two -part slide in assembly for quick first fix and final install.
- **Cost Minimising**
It's a stand alone unit, you don't add cost to the fire panel with a compromised touch screen.
- **Easily configured**
Fully active remote control terminal and network device almost immediately after installation.
- **Interactive Maps and Zone Plans**
Easily added, using any diagram via our Map App.
- **'At a Glance' System Status**
Unique interface allows easy monitoring and management of zones and devices.
- **Complete control**
Three level access to all the controls you'd find on an Advanced RCT via an easy to use interface.
- **Customisable Screen**
Choose from the preloaded background screens or add your own including installer logos. Run reception presentations. Immediately reverts to Fire use when system signal received.



Alarm Clam

Red Line False Alarms

Complete False Alarm Management

Alarm Clam 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 AlarmClam Bottom is a fully intelligent verification

device that is installed on the loop and works with the Alarm Clam software to allow occupations to acknowledge a fire alarm signal locally, if they believe it has been caused by say smoke from toast or shower vapour.



Fast Hardware



Simple Software



Intelligent Loop Devices

Features

- **Complete Case-and Effect**
In depth control over alarm verification and investigation delays to outputs.
- **Customised Management for any site**
Divide your building(s) into Building Areas, each with quickly applied group or unique false alarm management settings, 200 Building Areas per panel or 40,000 per network.
- **Unlimited points**
No restriction to the number of points in a building Area and you can configure by point.
- **Global acknowledgement**
Panel inputs can be programmed to manage verification and output delays
- **Full Event Log**
All Verification and output delays recorded in panel event logs.
- **Flexible Verification**
Set verification by Building Area, day/night, on or off, change verification times, verification by second device of device mode change.
- **Multiple Verification inputs and outputs**
Inputs can include optical, heat and multisensors, call points and AlarmClam Button or other input modules, Outputs can be sounders, beacons and relays etc. Sounder ring styles can be configured.
- **Failsafe Operation**
Total control over verification times. Users can only extend verification once. Set max number of areas in Verification before full Fire is signaled.
- **Easy Management of Outputs**
Outputs delays are handled in exactly the same way as verification, making set up very simple.

NextGen 360°

Our Legendary Customer Support.
In person and Online

NextGen 360 offers total customer care from a staff of industry experts and engineers.

Support can cover help specifying a system or during installation or maintenance. NextGen360 also delivers full, free-of-charge installer training, online and telephone support and system and fault modeling services. It's advanced, end-to-end fire system support, free to all customers.

New Lifetime Support Portals

NextGen 360 now offers our customers personalized support for their whole Advanced careers, via online portals, Services include:

- **Technical Support**
open and view support tickets and see full support history.
- **Training**
view and book training slots. Download your certificates at any time.
- **Software**
Download software and saves software packages by installation/site.
- **Literature**
Manuals, specifications and technical information etc all available for download.
- **Product Demos**
Book a demo and request brochures, literature and technical information.
- **Approved Partner Certificates**
Available for order and download
- **warranty Certificates**
download warranty certs for your sites, include your company details for end users. Request marketing and PR support for interesting sites.



NewAge NextGen **Special**

The best Custom Build
in the Industry



NextGen's special Engineering team develops unique interfaces and panel solutions to specific customer requirements.

Solutions can include mimic panels, special enclosures, environmental protection, high specification control units, third party system monitors, interfaces and control units and 8+loop panels in a variety of enclosures.

The NextGen Special team can manage the whole process from specification and design to manufacture and delivery and will project manage the process so deadlines are maintained.



Project Leadership



The quality, performance and ease-of-use of Advanced's fire systems means we are a supplier of choice to fire and facilities professionals globally.

Our systems hold global approvals and can scale from single panels, single loop to huge, multi-loop, high-speed network covering vast areas.

We are specified and installed in some of the most prestigious and challenging locations in over 60 countries worldwide.





21	76	15	25	35
22	77	16	26	36
23	78	17	27	37
24	79	18	28	38
25	80	19	29	39
26	81	20	30	40
27	82	21	31	41
28	83	22	32	42
29	84	23	33	43
30	85	24	34	44