The Hybrid EN54 Fire System
Advanced’s legendary quality and performance standards are demonstrated by the many landmark and local approvals we hold around the globe. Our Axis EN fire panels now hold the prestigious diamond mark from FM, further demonstrating our market-leading position.

Setting the Standard in Fire Systems with Advanced Thinking
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Advanced is known all over the world for making the highest quality, best performing fire systems.

We design ‘easy’ into our products. We make it easy to set up a one panel system or a complicated 200 panel network and 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. The people that started Advanced are the people that spearheaded the intelligent fire systems industry. They still work at Advanced and we train talented engineers and technologists every year. Over 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 strong customer relationships. We stay friendly, flexible and reactive to your requirements and our customer service 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.

We are proud to be part of Halma plc, a FTSE 100 company dedicated to growing a safer, cleaner and healthier future for everyone, every day. Halma is an international market leader in specialist safety, health and environmental technologies.

www.halma.com
Welcome to the world of Advanced
The Professional Choice

Axis EN is our solution for customers demanding a high performance EN54 approved system that can go anywhere.
Axis EN is built on years of leadership in the intelligent 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 innovative and unique 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.
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 built 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 is easy to use and configure, from the smallest to the largest of installations and with complicated cause-and-effect.

- Advanced diagnostics includes ‘scope on board’

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.

Axis EN fire panels have been certified by FM Approvals, enabling them to carry the FM APPROVED diamond, one of the most prestigious certifications marks in the world.
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
- Product code: MX-5101V

Axis EN: 1-2 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
- Product code: MX-5201*V

Axis EN: 1-4 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
- Product code: MX-5401*V

Axis EN: 2-8 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
- Product code: MX-5802*V

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 sounnder 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
- Product code: Add suffix ‘R’ to panel part code(s) eg MX-5101VR

L to R = MX-5030, MX-5020, Touch-10

*denotes loop quantity
Unique **low profile** device design suitable for any location.

Chamber cap removable for **easy cleaning**.

Fine honeycomb mesh screens out dust, fibres and insects, whilst ensuring **maximum airflow for optimum detection** of genuine fires including low energy and low airflow fires.

White disk indicates **multicriteria detector**. **Black** indicates **heat detector**. Enables clear visibility of device type from the floor.

Dual bi-colour LEDs offer clear **360° visibility**.

Axis EN offers some of the best-performing fire detection devices with revolutionary technology which continuously samples air and/or temperature in the protected area to provide the earliest warning of a fire condition.
Detector base designed for easy installation.

Handheld addressing with optional address tabs included in the base.

High performing sensors continuously monitor the environment to provide the earliest warning of a fire condition.

Intelligent algorithms deliver a high degree of false alarm rejection.

Angled dust restrict chamber with unique reverse sedimentation design offers almost total immunity to airborne contaminants and insects.

Locking tab prevents unauthorised removal of the device from the base.

Remote output available to drive anything up to 17 mA.

Short circuit spring enables easy checking of loop continuity.

Detector base designed for easy installation.
Axis EN’s unique wired and wireless loop device range is high performance, easily installed and maintained, and offers a range of superior features and benefits suitable for almost any configuration.

- Axis EN devices can only be used on our systems, guaranteeing performance and reliability.
- Our device feature set delivers the very best performance across a vast range of applications and configurations, both as an individual sensor and when used in conjunction with our fire alarm logic.
- Intelligent algorithms in each sensor, unique chamber designs, airflow and dust filtration systems ensure a high degree of accuracy, sensitivity and false alarm rejection, which can then be augmented in our AlarmCalm software to provide the most complete solution to false alarms on the market.
- All devices are ultra low current, allowing up to 240 devices per loop.
- A complete range of wired and wireless modules means there is a huge variety of configuration options from the loop.
- Ease of installation has been maximised with open mounting bases offering easy wiring and stability across a wide range of surface finishes, with a low pressure, secure locking mechanism.
- Addressing and sensitivity settings can be set using a hand-held digital programmer or via auto addressing in the fire control panel.
- Alongside a range of unique service and maintenance features offered by Axis EN, the detectors have a magnet test capability.
- All detectors are available with and without bi-directional isolators to meet a range of performance and price points.
- Dual bi-colour LEDs (or single colour in the non-isolated variants) provide a 360° cone of visibility.
- All detectors have undergone comprehensive testing by UL, ULC, EN and Duisberg Fire and Nuisance Tests.

### Wired Range

#### Sensors

**Intelligent Optical Smoke Detector**

- Continuously monitors the air in the protected area to provide the earliest warning of a fire condition.
- Product codes:
  - Intelligent Optical Smoke Detector with Isolator: Axis-OPX
  - Intelligent Optical Smoke Detector (no isolator): Axis-OP

**Intelligent Heat Detector**

- Continuously samples for temperature variation in the protected area to provide the earliest warning of a fire condition in areas where traditional smoke detection products are not suitable.
- Two thermal sensitivity levels: Rate of Rise (A1R) and Class BS
- Product codes:
  - Intelligent Heat Detector with Isolator: Axis-HTX
  - Intelligent Heat Detector (no isolator): Axis-HT

**Intelligent Multicriteria Detector**

- Continuously samples both the air and the temperature variation in the protected area to provide the earliest warning of a fire condition.
- Nine modes of operation.
- Product codes:
  - Intelligent Multicriteria Detector with Isolator: Axis-OHX
  - Intelligent Multicriteria Detector (no isolator): Axis-OH
Modules

Single Input
- Input monitored for normal, short, alarm and open conditions
- 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
- Product code: 20-VMI100-ADV

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 and mini formats
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED
- Plug-in connections
- Product code: 20-VMIC120-ADV

Single 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
- Product code: 20-VMC100-ADV

AV Loop Powered Multi Modules
- Microprocessor-controlled interface devices permitting the monitoring and control of auxiliary equipment
- Each input/output individually programmable
- Optional fail-safe setup
- Loop driven
- Each module can take up to 8 addresses
- IP65 rated enclosure
- Product codes:
  20-VMIC404-ADV (4 single channel monitored input contacts and 4 volt free ‘form C’ changeover contacts)
  20-VMIC422-ADV (4 single channel monitored input contacts, 2 supervised output contacts and 2 volt free ‘form C’ changeover contact)
  20-VMIC602-ADV (6 single channel monitored input contacts and 2 volt free ‘form C’ changeover contacts)

Conventional Zone Module
- Compatible with majority of well-known European conventional detectors
- External or loop powered
- Fully programmable and flexible
- Programme via panel or handheld programmer
- 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
- Product code: 20-VMCZ100-ADV

Single Relay Output
- Programmable Form C changeover contact for auxiliary device control
- Available in wall mount and mini formats
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED
- Plug-in connections
- Product code: 20-VMC120-ADV

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 and mini format
- Auto or manual addressing
- Bi-directional short circuit isolators
- Red/green panel driven LED
- Plug-in connections
- Product code: 20-VMIC100-ADV
Bases and Sounder Bases

**Axis Mounting Base**
- High reliability
- Device locking capability
- Easy central cable entry
- Integral device identification tab
- Remote indicator connections
- Built-in continuity spring
- Product code: Axis-MB

**Intelligent Sounder Base**
- 32 programmable tones
- Built-in loop isolators
- Fully intelligent
- Adjustable volume output
- Auto-addressable when detector head attached
- Programmable via the panel or device programming tool
- Includes device identification tab
- Product code: Axis-S2MB

**Intelligent Sounder Beacon Base (red flash)**
- 32 programmable tones
- Built-in loop isolators
- Fully intelligent
- Adjustable volume output
- Auto-addressable when detector head attached
- Programmable via the panel or device programming tool
- Includes device identification tab
- Product code: Axis-SV2MBRF

**Slave Sounder Base**
- 32 selectable tones
- Low current, high output local sounder
- Tone and volume set via DIP switch
- Adjustable volume output
- Includes device identification tab
- Easy central cable entry
- Does not need any addressing
- Provides a lower cost alternative to the intelligent sounder base
- Product code: Axis-S2AMB

**Slave Sounder Beacon Base (white flash)**
- 32 selectable tones
- Low current, high output local sounder
- Visual output reinforces audible warning and has a fixed pattern and intensity
- Tone and volume set via DIP switch
- Adjustable volume output
- Includes device identification tab
- Does not require addressing
- Easy central cable entry
- Provides a lower cost alternative to the intelligent sounder beacon base
- Product code: Axis-SV2AMB

**Conventional**

**Wall Sounder**
- Flexible modular design
- Approved for outdoor use to EN54-3 (type B)
- 32 tone settings
- Two stage alarm capability
- Weatherproof to IP65
- High sound output capability
- 4 adjustable volume settings
- Must include Intelligent Sounder Interface Module Axis-WSM to be addressable
- Extremely low current
- Embedded microphone for self test
- Product code: Axis-CWS
- Also available in white
- Product code: Axis-CWS/W for white option
- To make this addressable, order with Axis-WSM
- Extremely easy to insert the Axis-WSM into the base of the Axis-CWS

**Conventional Beacon 2Hz**
- Ceiling mounted
- Low power high output LED technology
- Coverage radius of 7.5m at ceiling height of 3m
- Flash rate of 0.5Hz (1 every 2 seconds)
- High intensity white LED
- Anti tamper lock
- Uses a standard detector base (Axis MB)
- Approved to EN54-23
- Product code: Axis-CBE2

**Intelligent Sounder Interface Module**
- Designed to allow use of conventional wall sounder (Axis-CWS) and conventional wall sounder with VAD (Axis-CWSV) on an Axis EN intelligent loop.
- Flexible modular design
- Easy to install
- Manual and auto addressing options
- Built-in short circuit isolators
- Intelligent two-stage alarm capability
- Microphone self-test facility
- Fits Axis EN conventional wall sounders and sounder beacons, making them addressable and loop powered
- Product code: Axis-WSM
Accessories

**Programming Unit**
- Easy to use for all programmable variables from the device range including the loop address
- Clear device display
- Auto shut-off to save battery
- Displays the sensor analogue values
- Includes programming cables for backwards compatibility
- Product code: Axis-PU

**240V Mains Relay Unit**
- 240V Mains voltage switching capacity
- Robust design
- Optional IP65 enclosure
- Single set of heavy duty change over contacts
- No PSU required
- Wired and wireless variants available
- Product code: Axis-CMAC

**Intelligent Remote Indicator**
- Low current consumption
- Output programmable by panel
- Auto or manual addressing
- Bi-directional short circuit isolators
- Product code: 20-VFI100-ADV

**Silicone Base Gasket**
- Sits between device and ceiling to prevent moisture ingress
- Fits any detector (smoke, heat or multi) between the plastic base and the surface it is mounted on
- Product code: Axis-WP

Call Points

**Weatherproof Callpoint Housing**
- Easy and fast installation
- Optional 90dB tamper alarm
- Breakseal to increase visible deterrent from misuse
- Spacers for surface and flush installations
- Reduces unwanted alarms
- Provides environmental & mechanical protection
- Simple retrofit to existing installations
- Suitable for all Axis EN call points
- Product code: WHCP-BBR

**Resettable Manual Callpoint**
- EN54-11 approved
- Glass appearance maintains operator deterrence
- Positive activation that mimics the feel of breaking glass
- Visible warning flag confirms activation
- Simple key to reset operating element - no broken glass
- No glass elements to break, lose or incorrectly fit during installation
- Complete functional test with every activation
- Available in red or yellow
- Product code: 20-VCP100-ADV

**AlarmCalm: False Alarm Management**

**AlarmCalm Button**
- Intelligent loop device
- Easy installation
- Used with AlarmCalm software for false alarm verification
- Programmable push button for local silence
- Product code: MXP-541V
## Wireless Range

**Industry-leading wireless detection**

Advanced's EN54-approved wireless range is easy to install and provides a reliable wireless fire protection solution.

- Operates on the 868 MHz frequency range
- Fully monitored for faults and systems failure
- Benefits from a patented orthogonal antenna design
- Utilises 7 operating channels and auto channel hopping to ensure constant and stable communication
- Signal strength increases automatically if there is any interference
- Coverage extends up to 150 metres from translator to detector and 250 metres from translator to expander
- Survey required to establish signal strength
- Dual batteries ensure continued operation should a single battery cell fail
- Battery power is fully monitored via the panel
- Can be combined as a hybrid system with wired devices and works with the wired AlarmCalm button

## Sensors

- All Axis EN wireless devices are fully intelligent and compatible with all Axis wireless translator and expander modules
- Unique dual angle optical chamber design
- Internal algorithm processing optimises performance
- Provides enhanced rejection of alarms from steam, aerosols and dust
- Bi-directional communication protocol between all wireless devices
- Unique inverted cone chamber minimizes any dust settlement
- Hexagonal honeycomb mesh design reduces insect ingress and maintains optimum sensitivity to real fires
- Device identification tab
- Dual angle scattering analysis
- Fast test feature for engineer testing

### Wireless Smoke Detector
- Dual photo receivers discriminate between real and unwanted alarms
- Product code: Axis-ROP

### Wireless Heat Detector
- Twin alarm LEDs for 360° visibility
- Multiple sensitivity warnings
- Product code: Axis-RHT

### Wireless Multicriteria Detector
- Twin alarm LEDs for 360° visibility
- Multiple smoke and heat sensitivity settings
- Product code: Axis-ROH

## Modules

### 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
- Weatherproof to IP65
- 7 operating channels
- High noise immunity
- Product code: 20-VW2W100-ADV

### 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
- Links to both detection and alarm devices
- Connects to conventional control circuits or loop modules
- Requires power supply
- Product code: 20-SGWE-ADV

### 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
- Product code: 20-SGMB200-ADV (battery powered) and 20-SGMC200-ADV (externally powered)

### 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
- Product code: 20-SGMI200-ADV
Wireless Range

Modules

Wireless Interface Module
- Flexible modular design
- Bi-directional wireless communication
- Fits Axis conventional wall sounders and sounder beacons
- Self-optimising wireless communication
- Product code: Axis-RWSM

Wireless Sounder Base
- Wireless communication between the control panel and the sounder base via the wire to wireless translator interface module using Axis EN protocol
- Communication meets EN 54-25
- Communication range up to 200m in open space
- Bi-colour LED provides visual indication for device status
- 32 selectable tones
- 3 volume levels
- Product code: 20-SGRBS100-ADV

Sounders

Sounders

Bases and Sounder Bases

Wireless Mounting Base
- High reliability
- Device locking capability
- Integral device identification tab
- Product code: Axis-RMB

Call Points

Resettable Wireless Callpoint
- Bi-directional communication protocol between all wireless devices
- Fully intelligent with up to 32 wireless devices allowed with each translator
- Glass appearance maintains operator deterrence
- Visible warning flag confirms activation
- Simple key to reset operating element - no broken glass
- Complete functional test with every activation
- Available in red or yellow
- Product code: 20-SGCP100-ADV

Accessories

Wireless Remote Indicator Lamp
- Provides visual indication of inaccessible detectors.
- Programmable output device, controlled by Axis fire panel
- Primary and secondary batteries continuously monitored
- Bi-directional comms with Translator
- Product code: 20-SGF1200-ADV

Wireless Connection and EOL Unit for use with Mains Relay Unit
- Wireless communication between the module and its translator or expander
- Bi-colour LED provides visual indication for functional conditions and battery levels
- Self-optimising wireless communication
- Utilises standard low-cost lithium battery technology
- Product code: Axis-SGMCB-EOLM

Wireless Door Holder
- Easy and fast installation
- Local door release button
- Bi-directional wireless communication
- Fail safe mode on battery
- Approved to BS 7273 - 4:2015 category A
- High holding force
- Door closed monitoring option
- Comprehensive monitoring of faults and failure to close
- Full cause and effect operation with independent control of individual doors and panel-controlled timed release for night-time closures
- Manual release switch
- Product code: Axis-RDH
Sample System Diagram

- I/O
- LifeLine Fire Paging and Deaf Alert System
- ExGo Extinguishant Release System
- Axis EN
- BMS
- SipGateway
- Dynamix Tools
- BACnet / Modbus Graphics

1 Loop
- 1 Loop
- 4 Loop
- 8 Loop
- 2 Loop
- Wall Sounder Axis-CWS
- Wireless Transmitter 20-VW2W100-ADV
- Intelligent Optical Smoke Detector Axis-ROP
- Call Point 20-VCP100-ADV
- Monitored Output 20-VMIC 100-ADV
- Mini Relay-Output 20-VMIC100-ADV
- Mini Input & Relay-Output 20-VMIC120-ADV
- Wall Sounder Axis-CWS
- Loop (500 mA)

1 Loop
- Input-Output 10-VMIC100-ADV
- Intelligent Optical Smoke Detector Axis-ROP
- Call Point 20-SGCP 100-ADV
- Intelligent Heat Detector Axis-HTX
- Intelligent Multicriteria Detector Axis-OHX
- Intelligent Heat Detector Axis-HTX
- Intelligent Multicriteria Detector Axis-OHX
- Intelligent Optical Smoke Detector Axis-OPX
- Intelligent Optical Smoke Detector Axis-OPX
- Intelligent Optical Smoke Detector Axis-OPX

BMS
- MONITOR
- Graphics

ExGo Extinguishant
- Release System
- 128 on board peripheral cards
Advanced Networking

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

Advanced Networking allows all Axis EN 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 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 Axis EN 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 instructions and status information.

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 Axis EN 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 network 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.

**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 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 allows any Axis EN 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 facilities management systems.

Physical connection to the external system is via a serial connection allowing the external BMS/Graphics systems to issue commands and receive information whilst 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.
Dynamix Tools is fire system software designed for users. It is easy to operate, easy to understand and makes the complicated simple.

Dynamix Tools 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.

Dynamix Tools is being continually developed for the 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 the 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 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

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

**Features:**
- **Attractive, low-profile HD display**
  10” screen enhances prestigious environments.
- **Easy 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 touchscreen.
- **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.

Visit touchcontrol.advancedco.com or contact us now for a demo.
AlarmCalm uses fast hardware, powerful software and the high performance technology in Axis EN 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 alongside 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 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, callpoints and AlarmCalm 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**
  Output delays are handled in exactly the same way as Verifications, making set up very simple.

Visit alarmcalm.advancedco.com or contact us now for a demo.
Advanced360 offers total customer care from a staff of industry experts and engineers.

Support can cover help specifying a system or during installation or maintenance. Advanced360 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.

Advanced360 now offers our customers personalised 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 save 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.

Sign up now at 360.advancedco.com
Advanced’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 AdSpecials team can manage the whole process from specification and design to manufacture and delivery and will project manage the process so deadlines are maintained.

AdSpecials
The Best Custom Build in the Industry.

Contact us now to discuss your requirements
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 panel, single loop to huge, multi-loop, high-speed networks covering vast areas.

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

Visit www.advancedco.com for more information
Fire Systems That Meet the Challenge of Protecting Historic and Heritage Sites

A Complex Challenge

Historic and heritage sites present unique and complex challenges to those tasked with safeguarding them with reliable active fire protection.

Advanced’s innovative fire systems can provide the solutions to problems such as:

- Minimising aesthetic impact
- Ensuring quick, safe evacuation
- Eliminating false alarms
- Protecting the disabled
- Providing peace of mind for unstaffed sites
- Expanding existing systems

We have a global reputation for excellence in the sector and our systems protect some of the most famous, valuable and most visited sites in the world including:

- King’s College, Cambridge
- Hagia Sophia, Istanbul
- Durham Cathedral
- The Magna Carta at Lincoln Castle
- Iona Abbey, Scotland.

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