



# Axis<sup>AX</sup>

The Worldwide Fire System  
UL 864 9th Edition



# 14 years. 60 countries. Still Advanced.



We're the same people, with the same commitment to excellence and customer satisfaction and now we have a brand that reflects our global reach and success.

To everyone that has helped us reach this milestone: We thank you and we promise that delivering you the best product and the best service remains our only goal for the next 14 years.

## The Standard in Fire Systems



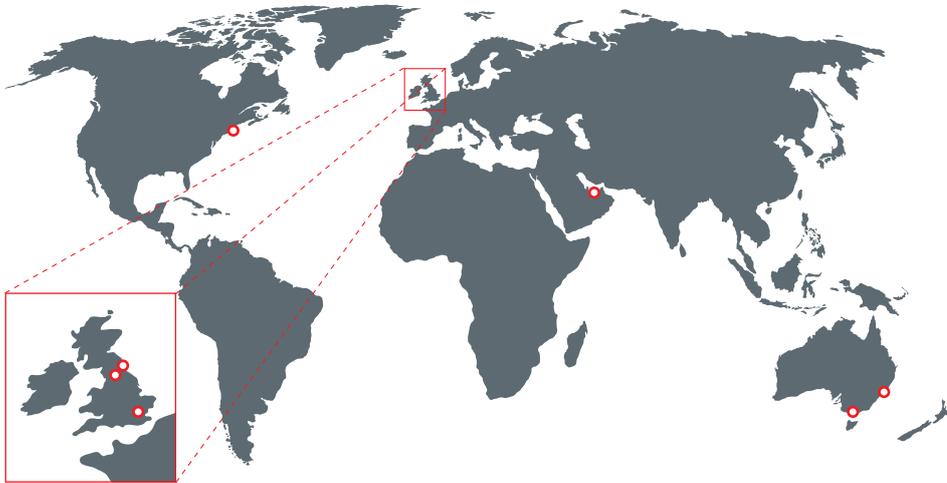
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# The Standard in Fire Systems



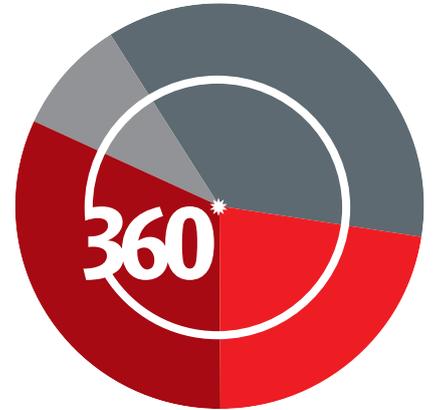
Advanced is known all over the world for making the best quality, best performing fire systems.

**We design 'easy' into our products. We make it easy to set up a one panel system or a complicated 200 panel network. We make our software intuitive. We deliver fast, accessible support, training and service. Above all, we make it easy to rely on an Advanced system.**

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. 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 world wide, 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 service is consistently rated excellent.

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



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





Welcome  
to the  
world of  
Advanced

# Axis<sup>AX</sup> The Worldwide Fire System

## The Professional Choice

Axis AX is our solution for customers demanding a high performance UL 864 compliant system.



**Axis AX is built on 14 years of leadership in the intelligent fire systems market. It is used across the globe in some of the most challenging and prestigious locations.**



**Axis AX is a complete system of high performance fire panels, audio systems, command centres and high performance devices.**

At its core are intelligent single and multi-loop networkable fire alarm control panels

with a complete range of intelligent loop devices, extensive peripherals, NAC and conventional devices.

Axis AX includes multi-channel audio with messages built into each node and synchronization of audio and NAC devices per panel across the network, with complete system redundancy.

It offers multiple command centre performance, telephones, smoke and fan control, mass notification, graphical control and BMS interfacing.

Axis AX 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.

## High Performance Panels

Axis AX is our highest performing UL 864 compliant panel range and comes complete with digital audio.



**Axis AX 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.**

Axis AX panels have been designed to offer more power and performance in a user friendly format. Axis AX packs in more configuration, control and interface options than any comparable Advanced panel. Multiple advanced features mean it will maintain its performance advantages for years to come.

All of the Intelligent Fire Alarm Control Panels in the AX Series consist of identical electronic modules and can be programmed from a laptop PC configuration tool. Axis AX's features have been proven to sharply reduce installation time, help identify wiring and programming errors, provide local and remote system diagnostics as well as providing exceptional fire detection without nuisance alarms.

Every Axis AX panel features Advanced's unbeatable networking capabilities and Dynamix Tools fire panel software making it easy to use, configure and maintain, from the smallest to the largest of sites and with complicated cause-and effect.



## Features

- 1,2,or 4 loop formats
- Each 500mA digital signaling line circuit support up to 126 intelligent devices
- 1,000 Fire Zones when networked or 200 per panel
- Easy, high performance networking (up to 200 nodes)
- Circuit monitoring from any panel or annunciator
- True peer to peer networking
- Style 4 or 7 configuration
- Individual node configurable event reporting and control
- Comprehensive network diagnostics
- Compatible with all of the AX Series peripherals including annunciators, relay modules, I/O modules, power supplies, internal and portable printers, network modules, LED/switch modules, modem, RS-232, amplifiers, DACT and more
- Supports shielded wire, non-shielded wire and fibre optic lines
- Beam detectors, smoke detectors, sounder bases, open area sounders and beacons can be powered from SLC without need for a separate 24V supply
- Superb noise immunity and emissions
- Regulated loop voltage sustained during AC loss
- 2 or 4 voltage regulated NACs compatible with most listed NAC devices
- Two Amp current limit per NAC with alerts on panel or via email if limit exceeded
- Panel includes large 240x60 backlit LED with Advanced's simple navigation and programming
- Unique, built-in voltage and current meters for easy diagnostics can be viewed on panel or remotely.
- Unique auto-test of battery cell integrity
- Direct USB and RS232 PC connections or Remote access and control of panels and network via Advanced ipGateway
- Output fully regulated clean 24 volts DC to all Notification Appliance Devices, making the panels ideal for retrofit applications without fear of failing regulatory compatibility listings
- 100% digital communications on the SLC to all intelligent smoke detectors and I/O modules
- Fast response and superior rejection of unwanted RF noise.
- Multi-sensor programming options allow for supervisory pre-alarm upon programmable smoke obscuration and fire alarm upon programmable temperature fixed or rate of rise.
- Fully integrated 40/80 Watt digital audio options
- Advanced's Simple Select & Click programming & configuration
- Autolearn and Loop detection
- Quick start and protect - A working system after an Auto learn is performed
- U1864 '9th Edition' approved

## Axis AX - 1 Loop



- 1 SLC loop - Class A (style 6,7) or Class B (style 4)
- 126 addressable intelligent points
- Available in compact and standard size enclosures
- 2 x 2 Amp Class A (style Z) or Class B (style Y) Programmable NAC circuits
- 3 x on board relays. 1 Trouble, 2 programmable
- System keys for Reset, ACK, Silence, Resound & Drill
- 19 on board LED indicators
- LED status indicators
- Available in Standard and Large enclosure

## Axis AX - 2 Loop



- 2 SLC loops - Class A (style 6,7) or Class B (style 4)
- 252 Intelligent addressable points
- 2 x 2 Amp Class A (style Z) or Class B (style Y) Programmable NAC circuits
- 3 x on board relays. 1 Trouble, 2 programmable
- System keys for Reset, ACK, Silence, Resound & Drill
- LED status indicator
- 5 to 10 Amp system power

## Axis AX - 4 Loop



- 4 SLC loops - Class A (style 6,7) or Class B (style 4)
- 504 intelligent addressable points
- 2 x 2 Amp Class A (style Z) or Class B (style Y) Programmable NAC circuits
- 3 x on board relays. 1 Trouble, 2 programmable
- System keys for Reset, ACK, Silence, Resound & Drill
- LED status indicator
- 5 to 10 Amp system power

## Axis AX Remote Annunciators



- Style 4 or Style 7 network interface
- C version has annunciation and programmable control
- D version annunciation only
- On board USB connection
- Peer to peer, cross node operation
- Monitored external Trouble input
- Info displayed fully configurable to any combination of fires, troubles, supervisory or other alarms
- LED status indicators
- Optional tamper proof and weather proof enclosures

## Axis AX Redundant Controller

- Panel interface PCB
- Full DUAL redundancy control and indication
- Automatic hot standby
- All monitored field wiring circuits can be switched
- Manual control operation
- Status LED indicators
- Panels can be located in standard enclosures or 19" rack mount enclosure

## Peripherals



The Axis AX Fire alarm Control Panels can be customised for almost any requirement. The system includes with a huge range of peripheral options, including:

- Audio options (see following pages)
- Conventional Zone Module
- 4 or 8 Relay Output Card
- 2 Way SLC/NAC Expander
- Style 4 & 7 Network Module
- 48 Way I/O Switch/LED Driver
- Panel mounted printer
- I/O Way Switch Module
- Network to Fibre Optic Converter
- Modem Module

## Audio

Axis AX comes ready for complete audio configuration.

With the addition of an Advanced audio module (AV-AMP-80), any Axis AX control panel or Command Centre becomes fully audio capable.



### Axis 1, 2, 4 Loop Audio Panel

- Axis AX 1, 2 or 4 loop panels
- Audio configured
- Shipped with microphone



### Audio Booster

- Available with integrated microphone
- Designed to be used with any Axis AX panel or Command Centre
- Provides increased digital audio signaling during an emergency situation
- Multiple boosters can be wired on a system and can emit their own individual messages or amplify messages from a fire panel
- Meets total wattage requirements via true distributed audio
- 2 independent 40 W @ 25Vrms amplifiers
- 16 channel digital message/tone generator
- Unique amplifier booster/cascading option
- Superb sound quality
- Simple programming via USB
- Two (2) Class "A" or "B" Speaker Circuits
- External AC Power and Trouble LEDs
- Internal Service Diagnostic and Status Indicators
- Optional one-to-one Amplifier Backup Capability
- Controlled RS-485 and/or 3 Prioritized Relay Trigger Inputs
- Powerful CBE Logic Programming
- LED status indication

### 6 Riser Module

- 6 audio riser circuits
- 35 Telephone Jacks per riser (210 in total)
- Remote location or integrated into panel
- Amplifier output for paging



### Audio Panel

- Fully featured Axis AX Audio panel
- Built-in Live Voice Paging Microphone
- Manual message activate switches
- Two (2) Class "A" or "B" Speaker Circuits
- AC Power On, Amplifier and PSU and Trouble LEDs
- Internal Service Diagnostic and Status Indicators
- USB Interface for Message/Tone Programming
- Optional one-to-one Amplifier Backup Capability
- Three Prioritized Relay Trigger Inputs



### Axis AX Audio Module

- 2 independent audio amplifiers
- Class A or B audio circuits
- 16 channel digital message generator
- Two 40 watt (25V) RMS outputs
- Unique amplifier cascading option
- Isolated RS-485 interface
- Freely programmable CBE logic
- Auto one-to-one backup
- Microphone input
- Three programmable external trigger inputs
- Factory or customer fitted



### Command Centre Firefighter Phone

- Compatible with Axis AX Command Centres
- Class A or B Riser
- Fully supervised
- Easy installation
- Supports up to 210 field phones
- Compatible with single or 6 Riser module



### Fire Fighter Telephone Complete cabinet including:

- Firefighter telephone
- Addressable Firefighter Phone Handset Interface
- Door options: Magentic, keylock or warden station

### 70 Volt Converter Module

- Integrated transformer
- Converts 24V audio to 70V RMS

### Zone Splitter

- Fits Axis AX Command Centre or Audio Panel
- Used with Audio Module
- 2 input/output options
- 1 input split into 4 outputs (total 40W)
- 2 inputs split in 2x2 outputs (total 80W)



### Addressable Telephone Jack

- Individually addressable telephone jacks
- Phone active LED indicator
- Telephone riser supervision
- Supervises against opens, shorts and grounds
- Class A or B configuration
- Mounts to single gang electrical box
- Field programmable buzzer and LED indicators
- Five phone 'party line' communications
- Up to 40 per telephone riser
- Slide in label



### Portable Fire Fighter Phone Handset

- Used with any Axis AX Addressable Telephone Jack
- High impact plastic
- Tip and sleeve connection
- Built-in noise filter
- Lightweight



### Remote Microphone

- Direct connection to Audio Module
- Push to talk button

## Command Centres

**Axis AX Command Centres are built on the backbone of our Axis intelligent fire panels to support a wide variety of configurations and applications.**

Command Centres can be configured in the factory or, as all elements are individually approved, supplied in modular format for easy expansion and customisation. All of our Command Centres are fully compatible with Axis AX audio and telephone options. Command centres can be configured for master control or peer-to-peer. Master control mode allows only one command centre to manually operate audio and main system control functions. Advanced's Riser 6 Audio Module can be mounted inside the command centre or remotely for added security.

## Axis AX Command Centres



- Order fully factory configured or in modular format for configuration on installation
- 1, 2 or 4 Loops
- 126, 252 or 504 addressable points

### 2 Cabinet sizes

- 2 cabinet sizes (3x3 and 3x5)

### Cabinets support wide range of option modules including:

- DACT
- Networking
- Modem
- I/O Drivers
- Switch & Relay Modules
- Fire Fighter Telephone
- Plus many others

### Comes with integrated:

- Audio board (2 x 40W outputs)
- Programmable 16 Channel Message Generator
- Automatic one-to-one Backup
- Paging Microphone
- All Call, Alert & selective paging by zone or area
- 16 Way Switch Module
- Audio Power Supply
- Installer friendly Autolearn and Loop Detection
- Easy, high performance networking (up to 200 nodes)



## Intelligent Loop Devices

### Sensors & Bases



#### Photoelectric Smoke Detector

- Patented XPerT detector base addressing
- Built-in dedicated microprocessor
- Five selectable response/sensitivity modes
- Ten 7-Day response/sensitivity mode timers
- Sub-addressing of ancillary functions
- Dual-alarm LEDs with 360° view
- ETL ANSI/UL864 listed



#### Ionizing Smoke Detector

- Americium 241 source
- Patented XPerT detector base addressing
- Built-in dedicated microprocessor
- Five selectable response/sensitivity modes
- Ten 7-Day response/sensitivity mode timers
- Sub-addressing of ancillary functions
- Dual-alarm LEDs with 360° view
- ETL ANSI/UL864 listed



#### MultiSensor (Smoke & Heat)

- Independent signals from each sensor
- Signals processed according to the response/sensitivity mode selection of the device.
- Patented XPerT detector base addressing
- Built-in dedicated microprocessor
- Five selectable response/sensitivity modes
- Ten 7-Day response/sensitivity mode timers
- Sub-addressing of ancillary functions
- Dual-alarm LEDs with 360° view
- ETL ANSI/UL864 listed



#### Heat Detector

- 135°F to 200°F Static/Rate of Rise
- Patented XPerT detector base addressing
- Built-in dedicated microprocessor
- Five selectable response/heat modes
- Sub-addressing of ancillary functions
- Dual-alarm LEDs with 360° view
- ETL ANSI/UL864 listed



#### Detector Base

- Simple installation
- Patented XPerT addressing
- Sub-addressable ancillary outputs
- SLC loop powered ancillary outputs
- Integral remote LED output
- In-Out terminals for ease of wiring
- Dedicated terminal for shielded cable
- ETL ANSI/UL864 listed



#### Enhanced Combination Sounder Beacon Base

- 15 tone and 7 volume settings
- Available with red or amber beacon
- Built-in synchronisation (audible and flash)
- Integral self-test features
- Individual or group addressing
- Beacon Flash Rate of Once per Second
- "One-Way-Only" Detector Insertion
- Base to Detector Locking Mechanism
- ETL ANSI/UL864 listed



#### Combination Sounder Beacon Base

- Drastically reduces installation costs
- Programmable volume settings
- Built-in synchronisation (audible and flash)
- Integral self-test features
- Individual or group addressing
- Highly visible alarm status indicator
- ETL ANSI/UL864 listed



#### Loop Isolator & Isolating Detector Base

- Patented XPerT addressing
- Short-circuit isolation
- Meets NFPA Style 7 requirements
- In-Out terminals for ease of wiring
- Dedicated terminal for shielded cable
- Low profile design
- Built-in short circuit yellow LED Indicator
- 3" or 4" square or octagonal electrical box mount
- "One-way-only" detector insertion
- Base to detector locking mechanism
- ETL ANSI/UL864 listed

## Beacons & Sounders



### Beacon

- Available in red, amber or clear
- Lens uses high intensity LED
- Available in outdoor configuration
- 1 Hz flash rate
- Built-in synchronization
- Integral self-check feature
- Wide angle of visibility
- Beacon Flash Rate of Once per Second
- "One-Way-Only" Detector Insertion
- Base to Detector Locking Mechanism
- ETL ANSI/UL864 listed



### Open Area Sounder

- Steady or temporal signaling
- Available in red or white
- Available in outdoor configuration
- Drastically reduces installation costs
- Programmable volume settings
- Built-in device isolation wiring
- Separate Sounder Base with Drillable Knockouts
- Two Programmable Tones and Volume Settings
- Continuous 2900 Hz Tone
  - Low volume 70.6 dB
  - High volume 79.1 dB
- ANSI temporal 2900 Hz Tone
  - Low volume 67.8 dB
  - High volume 75.3 dB
- Synchronization of "Alert" and "Evacuation" tones
- Individual and group addressing
- Unique integral self-test
- Security locking tab
- ETL ANSI/UL864 listed

## Pull Stations



### Manual Single/Dual Action Pull Station

- Single or dual action
- Low profile, high visibility design
- Visual indication of activation including red status LED
- Integrated Form C relay contact
- Surface or semi-flush mountable
- Available in special application colors
- key-lock for reset
- Die-cast metal construction
- ETL ANSI/UL864 listed



### Dual Action Polycarbonate Pull Station

- Low profile, high visibility design
- Visual indication of activation including red status LED
- Internal access without alarm activation
- Lock reset
- Surface or semi-flush mountable
- Captive screw terminals
- ETL ANSI/UL864 listed

## Intelligent Modules



### Switch Monitor Modules

- Class A (Style D) or Class B (Style B) wiring
- Flexible device type programming
- Optional priority interrupt
- 8 position addressable DIP switch
- Integral status LED
- 4" or 2-gang electrical box mounting
- Following options available:
  - Isolator Module
  - Mini Switch Monitor Module
  - Mini Priority Switch Monitor Module
  - Priority Switch Monitor Module
  - Dual Priority Switch Monitor Module
- ETL ANSI/UL864 listed



### Dual Priority Switch Monitor

- 2x Supervised initiating circuits (IDC)
- Dedicated IDC activation status LEDs
- Class A (Style D) or Class B (Style B) wiring
- 4" or 2" electrical box mounting
- ETL ANSI/UL864 listed



### NAC/Sounder Control Module

- Class A (Style Z) or Class B (Style Y) wiring
- Horn/strobe or speaker control
- Flexible programmability
- 4" Square or 2-Gang Electrical Outlet Box Mounting
- Power Limited
- Dedicated NAC Status LED
- Voltage Regulated NACs (Compatible with all Listed NAC devices) - Use with regulated 24 VDC Power Supply
- 25/70 VRMS Speaker Capability
- ETL ANSI/UL864 listed



### Input/Output Module

- Supervised initiating device circuit (IDC)
- Class A (Style D) or Class B (Style B) wiring
- Independently controlled Form-C relay contact
- AX Series Dynamix I/O relationship programming
- IDC activation status LED
- Optically isolated voltage input
- SLC powered and sub-addressable
- 4" or 2" electrical box mounting
- ETL ANSI/UL864 listed



### 120V Output Module

- Supervised Initiating Device
- Class A (Style D) or Class B (Style B) wiring
- Independently controlled 120VAC/30VDC relay contact
- Dynamic I/O relationship programming
- IDC activation status LED
- ETL ANSI/UL864 listed



### Relay Output Module

- Two isolated Form "C" relay contacts
- Single poll volt-free changeover
- Flexible device type programming
- Loop Powered Directly from SLC Loop
- 7 position addressable DIP switch
- Integral status LED
- 4" or 2-gang electrical box mounting
- Durable construction
- ETL ANSI/UL864 listed

## NAC and Conventional Devices

### Off-Loop Devices



#### Commander 2 Low Frequency Evacuation Signals

- Low profile, red or white finishes
- Instant voltage verification
- Selection switch for high or low dBA
- Switch for chime, whoop, mechanical and 2400Hz tone
- Switch for continuous or temporal 3
- Synchronize strobe and/or horn
- Silence horn while strobes flash
- Tamperproof re-entrant grill
- Surface mount available
- Wide voltage range
- UL 464 & UL 1971 Listed



#### Commander 3 Series Candela Evacuation Signals

- Horn/strobe or strobe only wall mount (red or white)
- Field selectable candela options 15, 30, 60, 75 & 110
- Instant voltage verification
- Synchronise horn/strobe
- Selection switch for high or low dBA
- Switch for chime, whoop, mechanical and 2400Hz tone
- Switch for continuous or temporal 3
- UL 464 & UL 1971 Listed



#### Commander 4 Series Ceiling Mount Strobe & Horn Strobe

- Horn/strobe or strobe only available in red or white
- Tamper proof, field selectable, 15,30,75, 95, 115 & 150 candela
- Instant voltage verification
- Synchronise horn/strobe
- Selection switch for high or low dBA
- Switch for chime, whoop, mechanical and 2400Hz tone
- Switch for continuous or temporal 3
- UL 464 & UL 1971 Listed



#### 24DC Low Current Mini Horn

- Available in continuous/temporal or continuous (red or white finish)
- Jumper selectable tones
- Horn 3100Hz
- Variety of mounting options
- Synchronize with Gentex AVS
- UL 464 listed



#### OutdoorCommander Series Evacuation Signals

- Horn/Strobe or strobe only wall mount in red or white
- Shipped with UL 1638 listed WGES24-75 candela strobe or strobe/horn
- Selection switch for high or low dBA
- Switch for chime, whoop, mechanical and 2400Hz tone
- Switch for continuous
- Separate horn & strobe functions



#### Wall Mount Speaker/Strobe

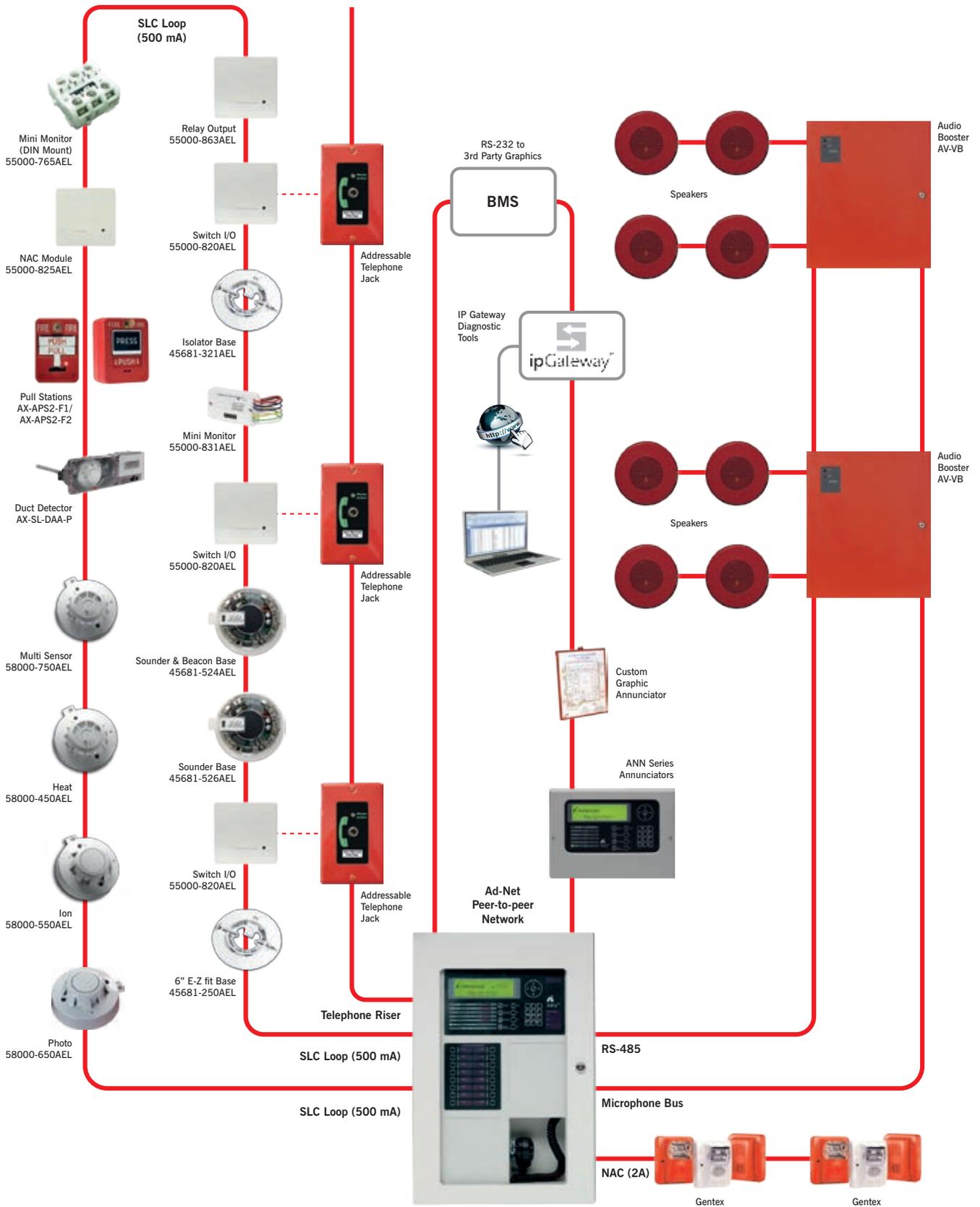
- Low profile
- Available in red or white finishes
- 24VDC tamperproof selectable 15,30,75,95, 115 candela
- High quality dBA output (intelligible)
- Frequency range 400-4000Hz
- Field selectable power taps
- Xenon strobe maintains 1Hz flash rate
- Suitable for hearing impaired
- UL 1480, UL 1971 and UL 2403 listed



#### Ceiling Mount Speaker & Speaker/Strobe

- Low profile
- Available in red or white finishes
- 24VDC tamperproof selectable 15,30,75,95, 115 candela
- High quality dBA output (intelligible)
- Frequency range 400-4000Hz
- Field selectable power taps
- Xenon strobe maintains 1Hz flash rate
- Suitable for hearing impaired
- UL 1480, UL 1971 and UL 2403 listed

## Sample System Diagram



# AdNet Plus Networking

AdNet Plus works across the Axis AX range delivering the easiest setup and best performing fire panel networks available.

The AdNet network system allows all Axis AX 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.

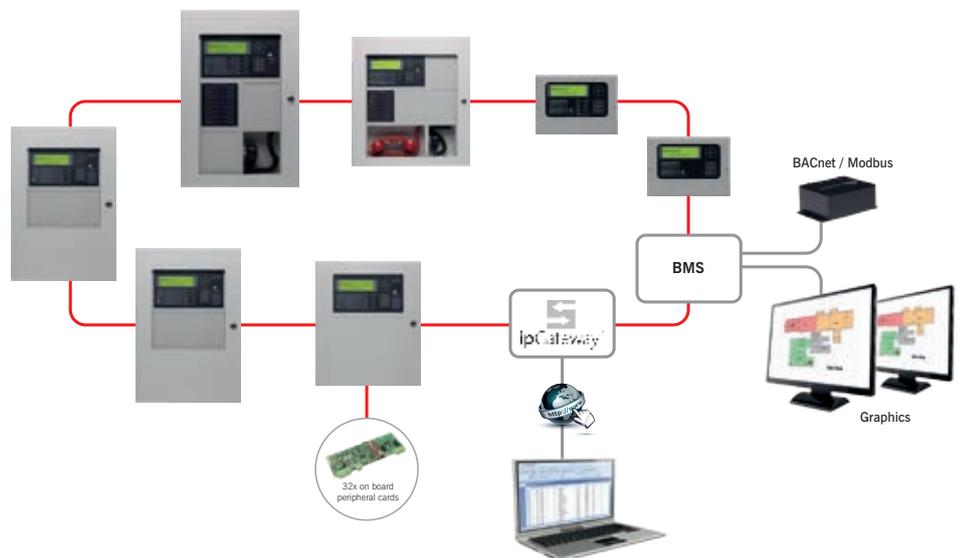
The network operates as a true peer-to-peer system and is therefore not reliant on a single 'master' panel to function. It allows information from any input or output device to be passed over the network and displayed on any Axis AX control panel or remote terminal as required. Details include Fire,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

AdNet's 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 AX 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 AdNet 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.



## 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 AX 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

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

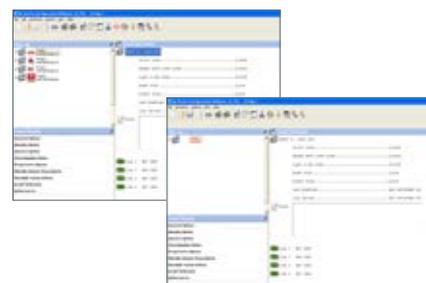
Dynamix Tools comprises a range of specific tools allowing users to achieve what they want quickly and easily, not get bogged down in large, clumsy and complicated software.

Dynamix Tools is being continually developed for the Axis AX panel range, adding new features and performance enhancements. Recently these have included comprehensive false alarm reduction and confirmation filters.

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.

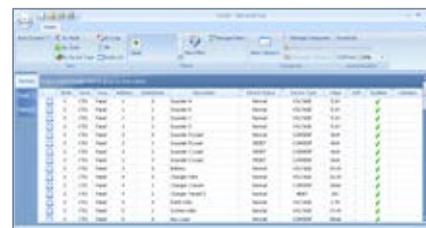
## Config Tool

- 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



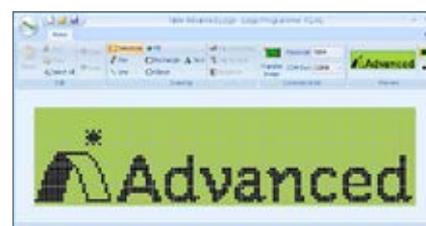
## Terminal Tool

- 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



# AdSpecials\*

## Custom Built Panels and Control Units

**Advanced's special engineering and manufacturing team develops bespoke solutions for customers on the backbone of our market leading fire technology.**

From mimic panels and special enclosures to high specification control units and monitoring stations, the AdSpecials team's work is found in thousands of locations worldwide.

Offering a consultancy, design and build service, the AdSpecials department is the epitome of what makes Advanced a manufacturer of choice - we go further to provide customers with exactly what they need.



## Advanced360\*

### Total Customer Support & Service

**To ensure our customers get exactly what they need, from specification, through sales, installation and maintenance to expansion we offer Advanced360, an equally advanced customer support service.**

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.



# Axis<sup>AX</sup> Parts list

Product Code	Description
	<b>AX Series Fire Alarm Control Panels</b>
AX-CTL-1	1-Loop Panel
AX-CTL-1L	1-Loop Panel (larger enclosure)
AX-CTL-2	2-Loop Panel
AX-CTL-4	4-Loop Panel
	<b>Ax "V" Series Fire Alarm Control Panels with Integrated Audio/Microphone</b>
AX-CTL-1V	1-Loop Panel c/w Audio/Microphone (2x3 matrix enclosure)
AX-CTL-2V	2-Loop Panel c/w Audio/Microphone (2x3 matrix enclosure)
AX-CTL-4V	4-Loop Panel c/w Audio/Microphone (2x3 matrix enclosure)
	<b>Ax "Command Center" Systems with Integrated Audio/Microphone/Control Switches</b>
AX-CC1-16	1-Loop Panel c/w Audio/Microphone/Switch Module (3x3 matrix enclosure)
AX-CC2-16	2-Loop Panel c/w Audio/Microphone/Switch Module (3x3 matrix enclosure)
AX-CC4-16	4-Loop Panel c/w Audio/Microphone/Switch Module (3x3 matrix enclosure)
	<b>Ax and Ax "V" Series Enclosure Components</b>
AX-01-BB	Standard Back Box Ax and Ax V series. (22.6"H x14.5"W x 5.5"D)
AX-01-ID1	Ax Series Inner Door (2x2 matrix) Use with Ax-01-BB
AX-01-ID2	Ax 'V' Series Inner Door (2x3 matrix) Use with Ax-01-BB
AX-01-OD1	Ax Series Outer Door. Small Plexi-Glass Opening
AX-01-OD2	Ax 'V' Series Outer Door. Large Plexi-Glass Opening
AX-02-BB	Ax CTL1 (Small 1-loop) Back Box
AX-02-OD	Ax CTL1 (Small 1-loop) Outer Door
AX-SAP	Single Aperture Blank Plate. Attaches to Inner Door
AX-DAP	Double Aperture Blank Plate. Attaches to Inner Door
AX-HPIN	Hinge Pins Attaches Inner and Outer Doors to Back box (Qty 6)
AX-SAP6	Single Aperture Blank Plate. Attaches to Inner Door (Qty 6)
AX-DAP6	Double Aperture Blank Plate. Attaches to Inner Door (Qty 6)
AX-BAT	External Battery Enclosure
AX-KEYL	Keylock Assembly for all Ax Series panels. Includes 2 keys
AXM-009	AX Peripheral Card Enclosure

Product Code	Description
	<b>Modular Ax "Command Center" Enclosure Components</b>
CCM-01-BB	Command Centre Backbox (3x3 Module Support)
CCM-01-ID1	Command Centre Inner Door (3x3 Matrix with 1 Double Aperture)
CCM-01-ID2	Command Centre Inner Door (3x3 Matrix with 2 Double Apertures)
CCM-01-ID3	Command Centre Inner Door (3x3 Matrix with 9 Single Apertures)
CCM-01-OD	Command Centre Outer Door Attaches to Back Box CCM-01-BB
CCM-02-BB	Command Centre Backbox (3x5 Module Support)
CCM-02-ID1	Command Centre Inner Door (3x5 Matrix with 1 Double Aperture)
CCM-02-ID2	Command Centre Inner Door (3x5 Matrix with 2 Double Apertures)
CCM-02-ID3	Command Centre Inner Door (3x5 Matrix with 9 Single Apertures)
CCM-02-OD	Command Centre Outer Door Attaches to Back Box CCM-02-BB
	<b>Main PCB's For all Ax Series Panels</b>
AX-DSP	Ax and Ax 'V' Series Display/Keyboard PCB with mounting plate
AX-DSP2	Ax-Ctl1 Display/Keyboard PCB with mounting plate
AX-CTL-1PCB	One Loop Panel PCB
AX-CTL-2PCB	Two Loop panel PCB
AX-ACB	AC Power Board c/w mounting Hardware
	<b>AX Series Option / Expansion Modules</b>
AX-LPD	2-Loop / 2-NAC Expander
AX-NAC	2-NAC Expander
AX-PSU *	PSU Module 5A (fits to AX-CTL2 or Ax-CTL4)
AX-PSU6	PSU Module for use with AV-AMP-80
AX-RL4 *	Peripheral 4-way relay card
AX-RL8 *	8-Way Relay Module
AX-012L *	On-board Panel Printer Module
AX-KSW *	2-position key switch assembly
AX-MDM *	Modem Card (24V)
AX-ASW-16	16 Switches each c/w three integrated LEDs (Red,Green,Yellow).
AX-I/O48	16 Switch Inputs and 48 LED driver outputs. Supports up to 5 AX-RL10
AX-RL10	10-Way Relay card for use with AX-I/O48
AX-CZM	P-Bus Conventional Zone Module (8 class B or 4 class A zones)
* Add /F for fitted	

# Axis<sup>AX</sup> Parts list

Product Code	Description
	<b>Audio and Fire Fighter Telephone Products</b>
AV-AMP-80	Audio Amplifier Module 2x40W 25 Vrms speaker Outputs with mounting plate
AV-VB	Audio Booster Panel
AV-VBM	Audio Booster Panel with Microphone
AV-MIC	Microphone w/enclosure mounts to 'V' Series and Command Centres
AV-TEL	Fire Fighter Phone with Single Riser Card mounts to 'V' Series and Command Centres
AV-JACK	Fire Fighter Addressable Phone Jack. Single Gang Mounted
AV-SC-5	Fire Fighter Phone Cabinet Holds 5 Phones
AV-SC-10	Fire Fighter Phone Cabinet Holds 10 Phones
AV-PHONE	Portable Fire Fighter Phone Handset
AV-TEL-BB	Fire Fighter Phone Backbox
AV-TEL-TR	Trim Ring for use with AV-TEL-BB
AV-TEL-D1	Fire Fighter Phone Door Latched. "Emergency Telephone For Emergency Use Only."
AV-TEL-D2	Fire Warden Door Latched. "Fire Warden Station For Emergency Use Only."
AV-TEL-D3	Fire Fighter Phone Door Lockable "Emergency Telephone For Emergency Use Only."
AV-TEL-D4	Fire Fighter Phone Door with breakglass. "To Open Use Key or Breakglass."
AV-TEL-RBG	Replacement Break Glass for use with AV-TEL-D4
AV-TEL-CCS	Coil Cord Standard Fire Fighter Phone Handset.
AV-TEL-CCP	Coil Cord Standard Fire Fighter Phone Handset with Push to Talk Button.
AV-TEL-ACS	Armored Cord Standard Fire Fighter Phone Handset.
AV-TEL-ACP	Armored Cord Standard Fire Fighter Phone Handset with Push to Talk Button.
AV-TEL-SUP	Firefighter Telephone Supervision Module used with AV-TEL Series Fire Fighter Phones.
AV-TEL-RISE6	Riser 6 Interface and plate, mounts to Command Centres
AV-TEL-REM	Riser 6 Interface, Ax-PSU6 and Cabinet
AV-TEL6-CAB	Riser 6 Remote Cabinet only
AV-TEL-MCCS	Fire Fighter Phone for use with Riser 6, mounts to 'V' Series and Command Centres
AV-TEL-RMCCS	Spare AV-TEL-MCCS PCB
AV-MIC-REM	Remote Microphone and cabinet
AV-RMI	Remote Microphone Interface
AV-RM-PCB	Spare AV-MIC-REM PCB
AV-V70	70V Audio Converter and cabinet
AV-V70-PCB	70V Audio Converter PCB and XFMR
	<b>AX Series Network Cards</b>
AX-NET4	Panel Network Card (Style 4)
AX-NET7	Panel Network Card (Style 7)

Product Code	Description
	<b>AX Series Network Annunciators</b>
AX-ANN-D	Remote Display Annunciator (Style 4)
AX-ANN-D/ST7	Remote Display Annunciator (Style 7)
AX-ANN-C	Remote Control Annunciator (Style 4)
AX-ANN-C/ST7	Remote Control Annunciator (Style 7)
AXM-006	SPARE AX-ANN Back Box
AXM-007	SPARE AX-ANN Cover
AXM-008	AX-ANN Bezel - Semi Flush
AX-ANN-TP	Tamper proof enclosure for ANN series Annunciator. Surface Mount, lockable
AX-ANN-WP	Tamper proof enclosure for ANN series Annunciator. Surface Mount, lockable with 24Vdc Heater
	<b>AX Series LED Annunciators and Metalwork</b>
AX-LED16	LED Annunciator Module 16-Zone Red/Yellow
AX-LED32R	LED Annunciator Module 32-Zone Red
AX-LED32Y	LED Annunciator Module 32-Zone Yellow
AX-LZA-CAB1	Local Zone Annunciator Cabinet - Single Module
AX-LZA-CAB2	Local Zone Annunciator Cabinet - Single Module
AX-LZA-CAB1-TR	Trim Ring
AX-LZA-CAB2-TR	Trim Ring
	<b>AX Series Network Interfaces</b>
AX-BMS	BMS / Graphics Interface (Boxed) Style 4
AX-BMS/ST7	BMS / Graphics Interface (Boxed) Style 7
AX-BMS-PCB	BMS / Graphics Interface - Card & Spares Kit
AX-BMS-PCB/ST7	BMS / Graphics Interface - Card & Spares Kit Style 7
AX-LAN	IP Gateway (Boxed) Style 4
AX-LAN/ST7	IP Gateway (Boxed) Style 7
AX-LAN-PCB	IP Gateway - Card & Spares Kit
AX-LAN-PCB/ST7	IP Gateway - Card & Spares Kit Style 7
AX-LAN-CAB	IP Gateway / BMS - Enclosure
	<b>AX Series Software and Leads</b>
AXPC-NET-003	AX Config Software And Lead
AXPCNET-018	AV-AMP-80 Message Configuration Tool
Up-001	AX RS232 upload/download lead only
UP-006	USB upload /download lead for AX config software
	<b>AX Series Intelligent Devices</b>
	<b>Sensors and Bases</b>
58000-450AEL	AX Heat Detector
58000-550AEL	AX Ionisation Smoke Detector
58000-650AEL	AX Photoelectric Smoke Detector
58000-750AEL	AX Multi Sensor Smoke Detector
55000-266AEL	AX Beam Detector
45681-210AEL	AX 4" Detector Base
45681-321AEL	AX 4" Detector Isolator Base
45681-242AEL	AX 4" Low Power Relay Base
45681-211AEL	AX Isolator Module Base (Accepts 55000-750AEL)
45681-250AEL	AX 6" E-Z Fit Detector Base
45681-225AEL	AX 6" Detector Mounting Base

Product Code	Description
	<b>Modules</b>
55000-750AEL	AX Isolator Module
55000-765AEL	Mini Monitor Module (Din Rail Mount)
55000-831AEL	AX Mini Switch Monitor Module
55000-830AEL	AX Mini Priority Switch Monitor Module
55000-805AEL	AX Switch Monitor Module
55000-806AEL	AX Priority Switch Monitor Module
55000-790AEL	AX Dual Priority Switch Monitor Module
55000-820AEL	AX Switch Monitor Input / Output Module
55000-825AEL	AX Sounder Control Module
55000-863AEL	AX Relay Output Module
	<b>Pull Stations</b>
AX-APS2-F1	AX Manual Pull Station, Red, Single Action (Pull)
AX-APS2-F2	AX Manual Pull Station, Red, Dual Action (Push / Pull)
AX-APS-BB1	Interior Surface Back Box, Red
AX-APS-BB1-D	Deep Interior Surface Back box, red
AX-APS-BB2	Weatherproof Die-Cast Back Box, Red
AX-APS-BB2-D	Deep Weatherproof Die-cast Back Box, Red
AX-APS-key	Pull Station lockset c/w 1 key
	<b>Loop Powered Sounders and Beacons</b>
55000-041AEL	Open Area Sounder - Red
55000-042AEL	Open Area Sounder - White
45681-526AEL	Combination Sounder Beacon Base - Red LED
45681-525AEL	Combination Sounder Beacon Base - Yellow LED
58000-011AEL	Enhanced Open Area Sounder Beacon (red lens)
58000-012AEL	Enhanced Open Area Sounder Beacon (white lens)
45681-524AEL	Enhanced Sounder Beacon Base (red LEDs)
45681-527AEL	Enhanced Sounder Beacon Base (yellow LEDs)
55000-877AEL	Loop Powered Beacon Red
55000-878AEL	Loop Powered Beacon Clear with Red LEDs
55000-879AEL	Loop Powered Beacon amber
45681-292AEL	White base cap
45681-293AEL	Red base cap
45681-517AEL	Deep Isolating Base (White)
45681-518AEL	Deep Isolating Base (Red)
	<b>Intelligent Duct Sensors</b>
AX-SL-DAA-P	AX Intelligent Duct Smoke Detector - Photo
AX-SL-DAA4R-P	AX Intelligent Duct Smoke Detector 4-Wire - Photo
AX-SL-DAA-N	AX Intelligent Duct Smoke Detector - ION
AX-SL-DAA4R-N	AX Intelligent Duct Smoke Detector 4-Wire - ION
AX-STN-1.0	AX 10" Sampling Tube
AX-STN-2.5	AX 30" Sampling Tube
AX-STN-5.0	AX 5' Sampling Tube
AX-STN-10.0	AX 10' Sampling Tube (for ducts 5' to 10' wide)

Product Code	Description
	<b>Notification Appliances: Horn, Horn/Strobe &amp; Strobe</b>
	<b>Wall &amp; Ceiling mount Horn, Horn/strobe &amp; Strobe</b>
28-GEH-24WR	Commander 2 - 24VDC Horn, Wall Mount, Red
28-GEH-24WW	Commander 2 - 24VDC Horn, Wall Mount, White
28-GEC3-24WR	Commander 3 - 24VDC Horn/ Strobe, Wall Mount, Red
28-GEC3-24WW	Commander 3 - 24VDC Horn/ Strobe, Wall Mount, White
28-GCC24CR	Commander 4 -24VDC Horn/ Strobe, Ceiling Mount, Red
28-GCC24CW	Commander 4 - 24VDC Horn/ Strobe, Ceiling Mount, White
28-GES3-24WR	Commander 3 - 24VDC Strobe, Wall Mount, Red
28-GES3-24WW	Commander 3 - 24VDC Strobe, Wall Mount, White
28-GCS24CR	Commander 4 - 24VDC Strobe, Ceiling Mount, Red
28-GCS24CW	Commander 4 - 24VDC Strobe, Ceiling Mount, White
28-WGEC24-75WR	Commander Outdoor - 24VDC Horn/ Strobe, Wall Mount, Red
28-WGEC24-75WW	Commander Outdoor - 24VDC Horn/ Strobe, Wall Mount, White
28-WGES24-75WR	Commander Outdoor - 24VDC Strobe, Wall Mount, Red
28-WGES24-75WW	Commander Outdoor - 24VDC Strobe, Wall Mount, White
28-GX91-R	Mini-Horn, Red (Continuous)
28-GX91-W	Mini-Horn, White (Continuous)
28-GX93-R	Mini-Horn, Red (Continuous or temporal 3 sound))
28-GX93-W	Mini-Horn, White (Continuous or temporal 3 sound)
	<b>Notification Appliances (Speaker &amp; Speaker strobe)</b>
28-SSPKCLPR	Speaker Wall or Ceiling Mount, Red
28-SSPKCLPW	Speaker Wall or Ceiling Mount, White
28-SSPK24CLPR	Speaker/Strobe, Ceiling Mount, Red
28-SSPK24CLPW	Speaker/Strobe, Ceiling Mount, White
28-SSPK24WLPR	Speaker/Strobe, Wall Mount, Red
28-SSPK24WLPW	Speaker/Strobe, Wall Mount, White







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