

ACTUACION ADMINISTRATIVA N° 201/2024 CONTRATACIÓN DIRECTA N° 11/2024

OBJETO: "ADQUISICIÓN DE DETECTORES PARA CENTRAL DE INCENDIO"

CIRCULAR ACLARATORIA Nº 1

Nos dirigimos a ustedes en relación al proceso de adquisición citado en el epígrafe, a fin de comunicarles la Circular Aclaratoria nº 1 dispuesta por el comprador:

CONSULTA Nº 1

"Para garantizar una integración adecuada y eficiente, agradeceríamos que nos envíen información detallada sobre la central de incendios actualmente en uso, incluyendo la marca, el modelo, la versión y las especificaciones técnicas. Esta información es esencial para adaptar los dispositivos de manera precisa y garantizar su correcto funcionamiento".

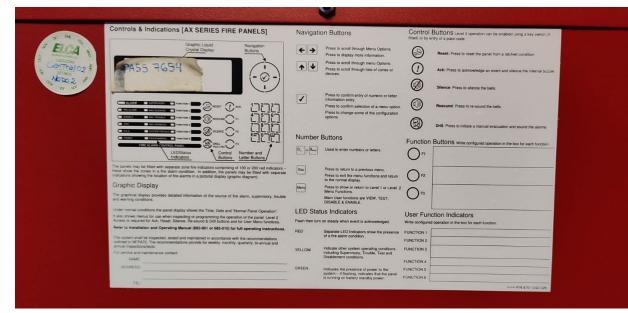
RESPUESTA Nº 1

Provisión e instalación de paneles de alarma para el reemplazo de los existentes.

Se reutilizan todos los elementos de campo existente.

Se considera:

- 1 Panel de 4 lazos (Principal) AX-CTL-4
- 1 Panel de 2 lazos (Secundario) AX-CTL-2
- 2 Placas de red AX-NEX-4
- 1 Placa de comunicación para BMS por Bacnet / Modbus MXP-642







Whatever your fire protection challenge, Advanced brings you unrivalled solutions

Effectively protecting people and property from fire can be complex. Advanced simplifies the challenge without compromising on safety.

Whether you need powerful networking, smoke control and fire audio for large-scale UL projects; extinguishing control and fire system redundancy for critical sites; or fast, fuss-free EN solutions for smaller, wireless installations, Advanced brings you fire safety peace of mind.

Creating a safer future

Advanced – made in the UK. Trusted around the world. Contact Sasi Kumar, Commercial Manager, to discuss your needs: skumar@advancedco.com | +44 (0)345 894 7000



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Advanced – Made in the UK. Trusted around the world

At Advanced, we're committed to creating a safer future. We deliver fire protection and life safety solutions that protect people and property in more than 80 countries across the globe.

Our products are shaped by decades of research and development expertise as well as ongoing investment in new technologies. This ensures they provide years of high performance and reliability – for ultimate peace of mind.

Everything we deliver is rigorously tested and approved to exacting quality standards – which is why Advanced products are trusted by customers the world over and synonymous with quality, performance and ease of use.





We understand that few fire protection challenges are the same, so as well as our mass-customised ranges, we also offer fully-customised solutions. This flexibility gives you complete control over the functions, format and finish of products to control over the control over the

we are dedicated to providing excellent service and have an international network of offices and agents to help you access sales support with ease — wherever you are in the world.



In addition, our training and technical services are free of charge to all our direct customers and consistently rated as excellent.

For added reassurance, Advanced is part of the safety sector of FTSE 100 company Halma pic. This global group of life-saving technology companies has a clear purpose to grow a safer, cleaner, healthier future for everyone, every day.







The High-Performance **UL Fire System**

Axis**

- is our complete solution for customers demanding a versatile, high-performing fire system that's fully approved to UL 864 10th edition
- combines addressable panels with audio systems, command centres and a versatile and comprehensive range of wired devices including CO detectors to bring you performance, quality and ease of use
- includes intuitive programming, powerful networking, comprehensive cause and effect and unique diagnostic features that put you in complete control of your fire protection and provide that all-important peace of mind
- can be manufactured with either red or grey fire panels to suit your needs
- is a modular system, offering a wide variety of configurations and applications
- 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.





Easy to install and use

Axis AX is built on Advanced's outstanding pedigree of fire alarm and detection experience to bring you a range of UL 864-approved fire panels that are simple to install, configure and use.

- Easy-fix removable chassis and in-built software make Axis AX fire panels quick and easy to set up
 Powerful networking, extensive configuration options and comprehensive cause and effect put you in complete control
- Intuitive controls and menus, with simple click-and-select programming for simple and easy commissioning
- commissioning

 The panels support intelligent annunciators, I/O drivers and BMS interface for integration with building management systems

 All panels and control centres are manufactured in the UK
- Our highly rated technical support team can help with advice, tips and training.



Versatility and choice

We know that sites can expand, and fire protection requirements change and evolve over time. That's why we've designed Axis AX to be scalable and flexible, able to adapt as required with minimal fuss or disruption.

- Standalone control panels in one, two and four SLC formats so you can choose the panel size that meets your requirements and budget Command centres in modular format, offering a wide variety of configurations and applications
- · Remote annunciators available
- Each 500mA digital signalling line circuit supports up to 126 intelligent devices
 Up to 200 zones per panel and 25,000 devices





Powerful, flexible service reporting

Every Axis AX panel includes an inbuilt easy-to-use, windows-based service tool which saves you time and money by providing easy, instant access to historic and real-time device data, and shows proof of servicing at a glance.

- . Demonstrate proof of servicing, download service reports, inspect the device history and keep track of service schedules
- of service schedules

 Customisable data filters make it easy to focus on potential trouble spots and ensure they're checked and tested during servicing.

 Predict which devices are becoming contaminated so you can clean/replace them before they cause a false alarm.
- . Customise reports to show the data you need and export it as PDF, Excel or HTML files to prove compliance simply and efficiently.



Packed with premium features

Every Axis AX panel and command centre comes with a host of advanced features built in as standard, giving you peace of mind that you won't need to buy expensive add-ons in the future.

- Unique diagnostic features include 'scope on board' to provide readings on the panel from any loop, making it easy to identify and investigate any issues
- Comprehensive network diagnostic tool prevents fires and faults from being transmitted across the network
- and faults from being transmitted across the network Built-in multimeter measures all voltages and currents across the system, so you can speed up the commissioning process by identifying voltage/ current levels in real time Standard peripherals include direct USB and RS232 PC connections, and peripheral expansion is built in for added peace of mind
- Modular in construction, with the ability to program your own company logo to appear on the fire panel screen
- 19 built-in LEDs as standard, 5 of which are freely
- Unique auto-test of battery cell integrity
- Easy to synchronise audio and strobes
- Command centres are intuitive and easy for firefighters to operate
- Integrated control of fans and dampers, with unique spreadsheet-style programming matrix
 Built-in false alarm management technology.



(L)



PENN



Axis AX - 1 SLC Compact



- 1 SLC Class A (Style 6,7) or Class B (Style 4)
 1 26 addressable intelligent points.
 A valiable in a compact enclosure
 2 x 2 Amp Class A or Class B programmable HVAC circuits
 3 a on-board relays. I trouble, 2 programmable virtuoble, 2 programmable virtuoble, 2 programmable virtuoble, 2 programmable virtuoble, 2 programmable system keys
 1 3 on-board LED indicators, 5 of which are freely programmable system keys
 1 9 on-board LED indicators, 5 of which are freely programmable

Axis AX 1, 2 or 4 SLC



Axis AX - Remote Annunciators



- Class B or Class X network interface
 C version has annunciation and
 D version annunciation only
 D version annunciation only
 On hoard USB programming port
 Peet-to-peet, cross-node operation
 Monitored enternal trouble input
 Info displayed fully configurable to any combination of fires, shoulded,
 Subt models insold. EDs.
 Both models insold. EDs.
 Model ANN-C provides 3 freely programmable function leys
 Optional tamper-proof and
 weather proof enfosures.
 Surface or flush mount



- Choose from 1 2 or 4 SLC:
- Choss Forn 1 2 or 4 SLC:
 Class A (Style 6.7) or Class B
 (Style 4)
 126, 252 or 504 Intelligent
 addressable points SLC dependent
 2 x 2 Amp Class B
 spenamenable has der Style
 4 x 14 Class Class Class Class
 5 x 15 chapter spenamenable
 Spelamenable system regse
 1 3 on baard LDD Indicators, 5 of
 which are freely programmable
 5 to 10 Amp system power

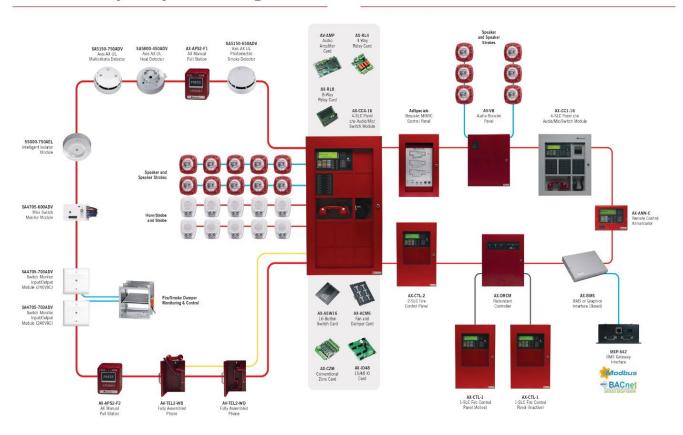
Axis AX - with voice evacuation



- Axis AX network node

- Asis AX network node
 Local amunication, system
 and saidle controls
 Add a local ampliter (optional)
 Remote microphone only option
 User-friendly amunication and
 control, deficient to FACP*
 Installation configurable operations
 and control
 Adviker Fruis network compatible
 Supports up to 32 periphera but
 Milli channel audio configurations
 Milli channel audio configurations

Axis ** Sample System Diagram



10 11



Integrated Audio and Firefighter Telephones

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.

A variety of firelighter telephones and telephone accessories are compatible with all Auis AX command centre panels. Addressable telephones make control, supervision and identification superior to ider technological solutions. Command centres come with easy-to-operate LED or LCD telephones withchboard monitoring and control displays.



Audio Booster Panel

- Audio Booster Panel

 Eavy and fast configuration with audio configuration was with audio configuration was with audio configuration was read to be speed to opened as a rode. Perodes increased eligital audio signalling during an audio signal sign

- Firefighter Phone
- **Command Centre**

Firefighter/Warden Page Telephone

- Compatible with Axis AX command centres
 Class A or B riser
 Background noise cancellation module (optional)
 Easy installation
 Supports up to 500 field phones

Magnetic, keylock or glass break door options Standard or coil cord phone cable Background noise cancellation module (option) Integrated dial, ring, busy and hold tones with connected LED indication

Telephone Riser

Module

- Each riser supports up to 250 phones, (two risers mad.)

 Live aniques audion, not digitisation.

 Up to 5 telephones per inser may be active simulanteously

 Easy to configure with Dynamic Tools telephone vizand

 May be located remobely in separate enclosure or integrated separate enclosure or integrated separate enclosure.

 Supports fire wanteen remobel paging feature.

 Class A or B configuration

All-Call Remote

- Microphone
- Lockable worksure with microphone micro

A conventional firefighter phone jack for use with portale firefighter handset interfighter handset interfighter handset to mande the amende demanded to a material deficiency of the firefighter emergency phone by the four (a) AVC-IJACKS can be connected to a single master addressable firefighter emergency phone manuscryptome amended promoter of the firefighter phone interface PCBI to communicate to the master addressable firefighter emergency phone

Conventional Firefighter Phone Jack

Portable Firefighter Phone Handset

- Used with any Avis AX addressable telephone jack
 Tip and sleeve connection
 Built-in noise filter
 Background noise cancellation module (optional)

Axis**

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.

All command centres are supplied in modular format for easy expansion and customisation. Our smaller command centres can be ordered as fully configured. All of our command centres are fully compatible with Asia XX audio and belighbrine options. The Advanced telephore need roundle can be mounted inside the command centre or renotively within a separate telephore need for added security.

Axis AX Command Centres



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

2 Cabinet Sizes

. 2 cabinet sizes (3'x3' and 3'x5')

Network Nodes

- and Accessories:

- AX-BMS module provides interface to building automation system Ad-Yew graphics
 AX-LOCs local operating consoles
 Smoke control panel
 Graphic amunicator(s)
 AX-VEW distributed audio panels
 Telephone notes
 Fibre converters





Features





Intelligent Detectors

Axis AX Enhanced Range

The new Axis AX range of citectors has been specifically developed to meet the demanding requirement of the latest ULL standars. Fully complicat with ULS 687 ht Edition, they offer sent and accurate fine detection using Preligibit energing technology and high immunity be blood latens. Since exercising technology and high immunity blood latest latens, and the standard latest and in-built drift compensation monitors the long term drift of armose sensors and automatically adjusts to marinari notector sensitivity. The new range is backwardy compatible with weeking blocovery protocol installations.

Axis AX UL

Heat Detector



Axis AX UL Enhanced Photoelectric Smoke Detector

- Approved to UL268
 7th edition

 Baitt-in isolator

 Purelight* optical
 technology for enhanced
 same detection and false
 alarm management

 Drift compensation

 In-built self test
 XPERT cand addressing
 Backwards compatible



Axis AX UL Enhanced Multi-Criteria Detector (Smoke & Heat)

- Approved to UL268
 7th edition
 Built-in isolator
 Purelight' optical
 technology for enhanced
 smoke detection and false
 alarm management
 Drift compensation
 Base locking mechanism
 In-built self test
 XPERT card addressing
 Dual heat sensors

Advanced XP95A Range

For XP95 protocol users, the latest range of detectors is fully compliant with UL 258 7th Edition.

The detectors are simple to install, easy to use and backwardly compatible with existing XP95A installations. They offer complete peace of mind with fast and accurate fire detection, and a high resistance to false alarms.



Advanced XP95A

Detector (Smoke

& Heat)

Fully approved to the latest UL268 7th edition and FM standards

Furnelight[®] optical technology provides enhanced smoke detection and false alarm management.

Dual fleet sensor condition assurace internal drift compensation condition assurace.

Internal drift compensation in the standard single sensor in the standard single sensor in the standard single sensor in the standard single systems. The standard single systems are standard single xPPSFT card addressing xPPSF

& Heat)

Advanced XP95A Photoelectric Smoke Detector

- Approved to UL521
 Electronic temperature sensing
 Alarm flag for fast alarm responding
 Easy installation
 Unaffected by wind or atmospheric pressure
 Ideal for environments are dirty or smoky under normal circumstances.
- Approved to UL268
 7th edition
 Purelight* optical
 technology provides
 enhanced smoke
 deflection and false
 alarm management
 Internal drift compen
 Easy installation
 In-built self test
 XPERT card addressi
 XP95 protocol comps



Advanced XP95A Heat Detetctor

- Approved to UL51
 The edition
 The edition

Compatible



Mounting Bases

The following bases are compatible with both Axis AX and Advanced XP95A detectors

Axis AX UL base 4"

Axis AX UL base 6"



Sounder Bases

This sounder base is compatible with both Axis AX and Advanced XP95A detectors Axis AX high-frequency sounder base 6"

Axis^{ax}

Audio Visual, Modules and Pull Stations

Beacons & Sounders



Open Area Sounder/Beacon

Pull Stations

Manual Single/Dual

Action Pull Station

PULL

UL464 certified
15 pairs of tones
7 volume levels
Visual indicator beacon (red-flash)



Intelligent Modules



Mini Switch Monitor Module

- WONTOY MOQUIE

 Built-in Isolator
 Visible Lebro
 Loop powered
 Ground fault detection
 Selectable priority to m
 equipment where a fast
 response is required
 Interrupt facility
 Fits into equipment that
 has limited space
 Improved design for
 ease of mounting



Polycarbonate Pull Station

PRESS I PUSH I

Dual Action

- Low-profile, high-visibility
 Visual indication of active including red status LED Internal access without alarm activation
 Lock reset
 Surface or semi-flush mo
 Captive-screw terminals

Switch Monitor Module

- Built-in isolator
 Visible LEDs
 Loop powered
 Ground fault detection
 Selectable priority to more equipment where a fast response is required
 Interrupt facility
 Improved design for ease of mounting



Dual Switch Monitor Module

- Relay Output Module
- 240V rated volt-free relay output
 Built-in isolator
 Visible LEDs
 Loop powered
 Improved design for ease of wiring

240V rated volt-free relay output Built-in isolator Visible LEDs Loop powered Ground fault detection Improved design for ease of mounting

NAC Module

Switch Monitor Input/

Relay Output Module

- Built-in isolator
 Visible LEDs
 Loop powered
 Loop powered
 Can be used for public
 address spaakers
 Power supply health monitoring
 Reverse polarity detection
 AC/DC monitoring (limited
 by wire length)
 Improved design for ease of wiring



- Built-in isolator
 Visible LEDs
 Loop powered
 Ground fault detection
 Selectable priority to mo
 equipment where a fast
 response is required
 interrupt facility
 improved design for
 ease of mounting

Advanced Networking

Advanced delivers fast, reliable, peer-to-peer communications from the smallest two-panel network up to a large 200-node network.

Advanced network systems are fully scalable to suit virtually any application including 'campus' style and 'high-rise' style configurations. Built-in diagnostics and test facilities make installation and ongoing maintenance simple. Performance exceeds multiple international standards.

- Peer-to-peer performance for optimum distributed intelligence
 Consistent system performance independent of the number of nodes

- Synchonisation of audio and strobes across entire 200-node network
 Failsafe operation if loss of master command centre
- Request/control/deny
- Sectoring feature allows customised operations per node
 Integrated or isolated high-rise telephone network option
- maximum

 Class X cable wining 200 nodes, 5,000ft between nodes, 66,000ft maximum

 Fibre cable 16,404ft max between nodes

 AdView graphics provides graphical user interface in single or multiple stations AX-BMS interfaces to third-party building automation and controls solutions via standard BACnet or Modbus communication
- One configuration tool is required to program Asis AK panels. Diagnostic features prevent erroneous actions that may be detected prior to on-site installation and test.
 Each intelligent audio node contains up to 16 digital messages which are synchronised across the entire 200-node network. Class B cable wiring – 32 nodes, 5,000ft

 - across the entire 200-node network

 \$1.5C power technology built into each panel
 provides tremendous application options

 Nodes may be usuformated to all any
 application, reducing installation costs and
 maximizing performance. Nodes may be may for may
 not include \$LC, displays, microphones,
 telephones, amplifiers, power supplies, switch
 modules, and any AX peripheral device.





Type of network	Class B	Class X
Typical use	Sites where one panel per building controls evacuation	Sites where more than one panel per building controls evacuation
Setup	Class B network card	Class X network card
Maximum cable length	Up to 1.5 km	Up to 1.5 km between nodes
No. of nodes	32 (50 with booster)	200
No. of zones	Up to 1,000	Up to 1,000
Typical time to communicate first event	1 second	3.5 seconds





Features

- Regulatory compliance assured
 Automatic and manual smoke control
 options in accordance with NFPA and
 National Building Code Standards
 Dedicated smoke control auto/manual
 controls and LED status indicators
 Customised FSCS frefighter smoke
 control (graphic) stations can be
 located locally or remotely
 Groundroseking ease of use

- control (graphic) stations can be located locally or remotely a Groundbreaking ease of use Simple spreadheet-style programming matrix is a step change that makes even the most complex smoke control programming easy System divided into virtual smoke control compartments in software for automatic fan and damper control (cbe) Uses standard I/O modules for fan and damper interfacing, Software auto-configures outputs for run/stop and open/close, with feedback inputs if required All options configurable from one dedicated menu with the Configliool interlocking feature to prevent

- Interlocking feature to prevent over pressurisation of ducts Post-fire purge options with configurable priorities

- Auto stainwell pressurisation option
 Key switch enable/disable option
 Manual controls can be configured
 for one-to-one operation, or grouped
 one-to-multiple fans or dampers
 Duct probe option will override
 auto settings if smoke detected
 The system can respond only to the
 first smoke compartment in alarm or
 priorities can be set so that devices
 respond dynamically to a spreading fire
 Dedicated smoke control reset function
 All manual controls take priority
 over automatic mode

- All manual controls take priority over automatic mode of Adjustable feedback delay ensures fans are given time to run or a damper is allowed time to travel before any trouble conditions reported

 Fully programmable sequential fan restart to avoid power spikes.

 Automatic testing of fans and dampers including scheduled "holiday" dates

 Engineering test menu allows HVAC to be controlled using panel menu and provides current operation and status feedback

 Customisable intelligent graphic annunciators with simple connection and configuration via panel P-BUS/PENN.

Watch the DynamixSmoke video on YouTube: ▶ Advanced Fire



PerfectSync delivers best-in-class synchronisation of audio and strobes for fire and life safety applications. PerfectSync achieves a level of integrity and performance not seen before.

- Synchronisation of audio and strobes across entire Axis AX network
- Dynamically adjusts as conditions change
- · Prevents confusion during an emergency
- · Aids in meeting intelligibility requirements
- . No need for special programming or wiring

- No nees or special programming or wining
 Axis XA retwork capacity
 200 panels
 3200 distributed amplifiers
 Each amplifier contains its own digital message generator
 Each message generator can support
 16 messages

16 messages

- 800 built-in NAC circuits

- Total synchronisation
All speakers turn on and are fully
synchronised even if the same message is
played from different amplifiers connected
different panels on a large network. The
maximum time to re-activate any speaker
output tollowing the first message played
does not exceed 5 seconds.

When a fire spreads, any new affected areas or higher priority messages will begin immediately. This may result in some areas

of the building being briefly out of sync. With PerfectSync these areas will quickly re-synchronise even on a large network system. Similarly paging operation may result in some areas of the building being temporally out of sync as any automatic message must recommence from the beginning. With PerfectSync these areas will quickly re-synchronise.

More audio flexibility

More audio flexibility
 Up to 16 digital pre-neorded messages per amplifier. Simple 3-channel audio (evacuals, alert, page) to complex multi-channel notification including individual message prioritisation.
 Unique audio engineering test feature confirms which amps are active, what message is playing, and can select and play a message in a specific area.

Command centre audio control lockout with indication of who's in control.



Fire and Emergency Telephone System

Exceptional Clarity for Superior Performance



Providing robust telephone communication channels ensures maximum safety.

The Advanced fire and emergency telephone system provides:

- Addressability for precise identification of the location of field telephone users.
- Flexibility so it can be configured as a standalone, independent system or completely integrated into the fire system.
- system.

 Crystal-clear live voice channels with no delays or echoing.

 Reassurance of communication channel status via dial, ring, busy and hold tones, as well as local LED indication at each addressable handset.

Quick and easy to install and configure.

Ideal for installations where local fire departments and emergency/facility personnel need access to fire/emergency telephone communications, e.g. in high and low-rise apartment buildings, hotels, universities, government and military sites.

As an entire telephone system can be installed and configured to operate standalone without panels, Advanced fire and emergency phones are also perfectly suited to any retrofit or non-fire application.







Technical support

Highly rated customer support. Available by telephone and online.

As an Advanced customer, you have access to a host of helpful advice and support.

advice and support.
This includes a wealth of online information, from how to 'videos to datasheets and detailed product manuals. Simply complete one of our online forms and you'll be able to access a range of additional services, previously available to those with an Advanced360 account.

Services include:

- Technical support available by phone and online from one of our experienced technical support engineers.
- Software download software and save your software packages by installation/site.
- Literature download manuals, specifications, approved partner certificates, technical information and more.





- Training view dates available. Direct customers can book training online and will be sent training certificates by email. If you need to access a previous training certificate, simply complete an online request form. All non-direct customers should book training through their distributor.
- Warranty Download our warranty statement.

advancedco.com/training-support

Axis Parts List

	Control Panels (Also available in grey, Add -G to product code)
AX-CTL-1C	1-SLC Fire Alarm Control Panel - Red
AX-CTL-1L	1-SLC Fire Alarm Control Panel - 2'x2' Fault Free - Red
AX-CTL-2	2-SLC Fire Alarm Control Panel - 2'x2' Fault Free - Red
AX-CTL-4	4-SLC Fire Alarm Control Panel - Red
	Control Panels with Audio/Micro (Also available in grey, Add -G to product code)
AX-CTL-IV	1-SLC Fire Alarm Control Panel - 2'x3' with Voice - Red
AX-CTL-2V	2-SLC Fire Alarm Control Panel - 2'x3' with Voice - Red
AX-CTL-IV	4-SLC Fire Alarm Control Panel - 2'x3' with Voice - Red

	(Also available in grey. Add •G to product code)
AX-CC1-16	1-SLC Command Centre FACP - 3'x3' Red enc. with Voice
AX-CC2-16	2-SLC Command Centre FACP - 3'x3' Red enc. with Voice
AX-CC4-16	4-SLC Command Centre FACP - 3'x3' Red enc. with Voice
AX-CC1-16P	1-SLC Command Centre FACP - 3k3 Red enc. with Voice and Phone
AX-CC2-16P	2-SLC Command Centre FACP - 3k3 Red enc. with Voice and Phone
AX-CC4-16P	4-SLC Command Centre FACP - 3k3 Red enc. with Voice and Phone
AX-LOC1-16	1-SLC Command Centre FACP - 3x5' Large Red enc. with Voice
AX-LCC2-16	2-SLC Command Centre FACP - 3x5' Large Red enc. with Voice
AX-LCC4-16	4-SLC Command Centre FACP - 3x5' Large Red enc. with Voice
AX-LCC1-16P	SLC Command Centre FACP - 3x5' Large Red enc. with Voice and Phone
AX-LCC2-16P	2-SLC Command Centre FACP – 3x5' Large Red enc. with Voice and Phone
AX-LCC4-16P	4-SLC Command Centre FACP - 3x5' Large Red enc. with Voice and Phone

	(Also available in girey. Add -G to product code)
AX-LOC1/ST4	Local Operator Console 1 - 2'x2' Deep - Class B Network
AX-LOC1/ST7	Local Operator Console 1 - 2'x2' Deep - Class X Network
AX-LOC2/ST4	Local Operator Console 2 - 2'x2' Deep - Class B Network
AX-LOC2/ST7	Local Operator Console 2 - 2'x2' Deep - Class X Network
AX-LOC3/ST4	Local Operator Console 3 - 2'x3' Deep - Class B Network
AX-LOC3/ST7	Local Operator Console 3 - 2'x3' Deep - Class X Network
AX-LOC4/ST4	Local Operator Console 4 - 2'x3' Shallow - Class B Network
AX-LOC4/ST7	Local Operator Console 4 - 2'x3' Shallow - Class X Network

	Remote Control Annunciators (Also available in grey, Add -G to product code)	
AX-ANN-C	Remote Control Annunciator - Class B Network	
AX-ANN-C/ST7	Remote Control Annunciator - Class X Network	
AX-ANN-D	Remote Display Annunciator - Class B Network	
AX-ANN-D/ST7	Remote Display Annunciator - Class X Network	

Product Code	Description
	LED Annunciators
AX-LED16RY	Addressable 32-LED Red/Yellow Module (16 red, 16 yellow)
AX-LED32R	Addressable 32-LED Red Module
AX-LED32Y	Addressable 32-LED Vellow Module
	Network Cards
AX-NET4	Plue-In Network Card - Class B Network
AX-NET7	Plue-In Network Card – Class X Network
AX-DCI	AX DCI 24V:24V DC:DC Isolated Supply
	Expansion Modules
A14 A14 A	Plug-In 2 x NAC Extender
AX-NAC	
AX-LPD	Plug-In 2 x SLC 2 x NAC Extender
AX-CZM	Conventional Zone Monitor – 4 x Class A or 8 x Class B Conventional Zones, 3 Relay Outputs
AX-ASW16	16-Way Addressable Switch/LED Module
AX-IO48*	16 Inputs and 48 Outputs Module
AV-AMP80	AV Amplifier Assembly (Panel)
AV-VB	Audio Booster Panel
AX-PSU	Power Supply Module
AX-PSU-6	Power Supply Module for AX-CTL Panel Range
AX-PENN/ST4	Peripheral Expansion Network Node - Class B Network
AX-PENN/ST7	Peripheral Expansion Network Node - Class X Network
AX-RL4	4-Way Relay Output Card (Programmable)
AX-RL8	8-Way Relay Output Card (Programmable)
AX-RL10	10-Way Relay Output Card (Programmable)
AX-MOXA	Fibre Optic Converter Module
AX-ACM6	Fan Damper Switch Cards
AX-PRN	Printer
*Also available in	grey. Add -G to product code.
	Network Interfaces
AX-BMS*	Graphics Interface - Class B Network (Boxed)
AX-BMS/ST7*	Graphics Interface - Class X Network (Boxed)
AX-BMS-PCB	Graphics Interface - Class B Network - Card and Spares Kit
AX-BMS-PCB/ ST7	Graphics Interface – Class X Network – Card and Spares Kit
*Also available in	grey. Add -G to product code.
	Software and Leads
AUDO AUT OOO	AX Config Tool Software and Lead

*Also arealable in	grey: Add -G to product code
	Software and Leads
AXPC-NET-003	AX Config Tool Software and Lead
AXPC-NET-018	AV-AMP Config Tool Software
UP-001	RS232 9-Way to 3-Way Plug-in Connector (Upload/Download Lead)
UP-006	USB Upload/Download Lead for Config Software
	Main PCBs
AX-ACB	AC Interface Board for AX Series Panel

	Main PCBs
AX-ACB	AC Interface Board for AX Series Panel
AX-DSP	AX-CTL Large/Voice Display Module Assembly
AX-DSP/T	AX-CTL Telephone Extension Display Module
AX-CTL-1PCB	1-SLC Fire Alarm Control Panel Base Card PCB Kit
AX-CTL-2PCB	2-SLC Fire Alarm Control Panel Base Card PCB Kit

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Axis Ax Parts List

Product Code	Description
	Enclosures - Compact
	(Also available in grey. Add -G to product code)
AX-1C-BB	1-SLC Fire Alarm Control Panel Compact Back-box
AX-1C-OD	1-SLC Fire Alarm Control Panel Compact Outer Door
	Enclosures – Medium (2'x2', 2'x3') (Also available in grey. Add -G to product code)
AX-01-BB	AX-CTL-x 2'x2' Fault Free / 2'x3' Fault Free Back Box
AX-01-ID1	AX-CTL-x 2'x2' Fault Free Inner Door
AX-01-0D1	AX-CTL-x 2'x2' Fault Free Outer Door
AX-01-ID2	AX-CTL-x 2'x3' Fault Free Inner Door
AX-01-0D2	AX-CTL-x 2'x3' Fault Free Outer Door
	Enclosures – Large (3'x3', 3'x5') (Also available in grey. Add -G to product code)
CCM-01-BB	Command Centre - 3'x3' Back Box
CCM-01-ID1	Command Centre - 3'x3' Inner Door, 1 Double and
	7 Single Apertures
CCM-01-ID2	Command Centre – 3'x3" Inner Door, 2 Double and 5 Single Apertures
CCM-01-ID3	Command Centre - 3'x3' Inner Door, 9 Single Apertures
CCM-01-0D	Command Centre - 3'x3' Outer Door
CCM-02-BB	Command Centre - 3'x5' Back Box
CCM-02-ID1	Command Centre - 3'x5' Inner Door, 1 Double and 13 Single Apertures
CCM-02-ID3	Command Centre - 3'x5' Inner Door 15 x Single Apertures
CCM-02-ID4	Command Centre - 3'x5' Inner Door, 2 Double and
	1 Single Aperture (Double Apertures on Row 1 and 3)
CCM-02-0D	Command Centre - 3'x5' Outer Door
CCM-MP-BP2	2 x Riser/Standard PBUS Card Mounting Plate
AX-HPIN	Hinge Pin AX Panels (Pack of 6) (Kit of Parts)
	Enclosures – Other Parts
AX-SAP*	Single Aperture Blanking Plate
AX-SAP6*	Single Aperture Blanking Plate (Pack of 6)
AX-DAP*	Double Aperture Blanking Plate
AX-DAP6*	Double Aperture Blanking Plate (Pack of 6)
AX-1C-BP*	AX-CTL-1C Battery Cover Plate - Red
AX-BAT*	External Battery Enclosure
AX-BAT-TR	Battlery Tray for AX-BAT Battlery Cabinet, Hold 4 Sets of Battleries
AX-KEYL	Spare AX Panel Door Keylock 2 x CAT30 Keys
AX-KSW	2 Position 90° Key-Switch - CAT30 (C&K)
AX-ANN-TP	Tamper Proof Enclosure for Annunciator, Surface Mount Lockable
AX-ANN-WP	Tamper Proof Enclosure for Annunciator
	Surface Mount Lockable ow 24VDC Heater
AXM-006*	Spare Annunciator Back Box
AXM-007*	Spare Annunciator Cover
AXM-008*	Spare Annunciator Bezel – Semi Flush – Red (No UL Listing)
AXM-009*	AX Peripheral Card Enclosure
AXM-012*	Mounting Plate Kit for Penn & IO48 PCBs - Red
AX-GCAB	General Purpose UL-listed Red Enclosure with CAT-30 Keylock

	Enclosures – Local Zone Annunciators
AX-LZA-CAB1*	1-Way Local Zone Annunciator Cabinet - Red
AX-LZA-CAB2*	2-Way Local Zone Annunciator Cabinet - Red
AX-LZA-CAB4*	4-Way Local Zone Annunciator Cabinet - Red
AX-LZA-CAB1-TR*	Trim Ring - 1-Way Local Zone Annunciator Cabinet - Red
AX-LZA-CAB2-TR*	Trim Ring - 2-Way Local Zone Annunciator Cabinet - Red
AX-LZA-CAB4-TR*	Trim Ring - 4-Way Local Zone Annunciator Cabinet - Red
*Also available in ge	ey. Add •G to product code.
	Microphone Components
AV-MIC*	Microphone Assembly
*Also available in gr	ny. Add -G to product code.
	Firefighter Emergency Phone System 2 with Ring
AV-TEL2-REM*	Telephone Riser Panel (Red) incl Riser and AX-PSU6
AV-TEL2-RISE	Telephone Riser Interface Card with Ring and Hold Tones
AV-TEL2-PPB	Plug-in Audio Module for AV-TEL2-RISE for Remote Phone Paging
AV-TEL2-MCCS*	Multi-Command Center Fire Fighter Phone, Supervision Module and Enclosure for Interface to AV-TEL2-RISE Modu
AV-TEL-RMOCS	Command Centre Phone PCB
AV-TEL2-CAB*	Remote Cabinet Supports up to 2 AV-TEL2-RISE Modules and AX-PSU-6
*Also available in gre	gr. Add •G to product code.
	Firefighter Emergency Phone System Accessories
AV-SC-5	Firefighter Phone Cabinet Holds 5 Phones
AV-SC-10	Firefighter Phone Cabinet Holds 10 Phones
AV-TEL2-P	Portable Firefighter Handset, Coiled Cord, 1/4" Plug - Red
AV-CJACK	Conventional Firefighter Phone Jack with Active LED
AV-TEL2-MWPB	Primary Firefighter Phone Interface PCB with Ring and Hold Tones
	Fully Assembled Firefighter Telephones
AV-TEL2-WD	Master, Breakglass and Keylock, Standard Cord
AV-TEL2-WDV	Master, Breakglass and Keylock, Armored Cord
AV-TEL2-WD2	Master, Keylock, Standard Cord
AV-TEL2-WD2V	Master, Keylock, Armored Cord

Product Code	Description
	Detectors & Bases
SA5800-450ADV	AX Heat Detector* Enhanced
SA5150-650ADV	Enhanced Photoelectric Smoke Detector
SA5150-750ADV	AX Multi-Criteria (Smoke/Heat) Detector* Enhanced
SA5500-450ADV	XP95A Heat Detector
SA5050-350ADV	XP95A Multi-Criteria (Smoke/Heat) Detector
SA5050-250ADV	XP95A Photoelectric Smoke Detector
SA5000-210ADV	AX Base 4*
SA5000-230ADV	AX Base 6*
SA5300-802APO	AX High Frequency Sounder Base 6"
SA5300-806APO	AX Low Frequency Sounder Base
SA5300-800APO	AX High Frequency CO Sounder Base
SA5300-805APO	AX Low Frequency CO Sounder Base
AN OTHER D	Duct Detection
AX-STN-1.0 AX-STN-2.5	AX 10* Sampling Tube
	AX 30* Sampling Tube
AX-STN-5.0	AX 5' Sampling Tube
AX-STN-10.0	AX 10' Sampling Tube
SL-DAA-N	Duct Smoke Detector – ION – 2 Wire
SL-DAA-P	Duct Smoke Detector - PHOTO - 2 Wire
SL-DA4R-N	Duct Smoke Detector - ION - 4 Wire
SL-DA4R-P	Duct Smoke Detector - PHOTO - 4 Wire
Market State of the State of th	Pull Stations
AX-APS2-F1	Pull Station - Red, Single Action Fire Alarm
AX-APS2-F2	Pull Station - Red. Dual Action Fire Alarm
AX-APS-BB1	Pull Station Back Box - Red, Indoor
AX-APS-BB1-D	Pull Station Back Box - Red, Deep Interior
AX-APS-BB2	Pull Station Back Box - Red, Weatherproof NEMA-3R
AX-APS-BB2-D	Pull Station Back Box - Red, Deep Weatherproof Die-cast
AX-APS-KEY	Pull Station lockset o/w 1 Key
56000-005AP0	Polycarbonate Dual Action Pull Station
	Sounder Beacon Bases
58000-011ADV	Open Area Sounder/Beacon (Loop Powered) – Red
58000-012ADV	Open Area Sounder/Beacon (Loop Powered) – White
55000-041ADV	Open Area Sounder (Loop Powered) – Red
	Modules
55000-750AEL	Isolator Module
55000-765AEL	Mini Monitor Module (Din Rail Mount)
SA4705-600ADV	Mini Switch Monitor Module
	Switch Monitor Module
SA4705-700ADV SA4705-701ADV	Relay Output Module
SA4705-700ADV SA4705-701ADV	Relay Output Module
SA4705-700ADV	Relay Output Module Switch Monitor Input/Relay Output Module

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Buenos Aires, 27 de junio de 2024