

AxisGo

AxisGo Single Loop Fire Alarm Control Panel

The new Axis-Go series is an evolution for non-networked single-loop fire alarm systems. Its innovative design includes several improvements and upgrades to critical safety features, while retaining all the benefits and user-friendly operation of an Advanced fire alarm control panel.

A new ergonomic layout of control panel is combined with our high resolution, high contrast, graphical LCD display. The tactile keypad allows simple select-and-click programming for faster engineer configuration and simple end-user operation.

Two performance options are available with a different maximum number of configurable addresses, allowing greater flexibility for site-specific installations: Go and Go+.

Maximum addresses	Axis-EN
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Axis-Go	50
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Axis-Go+	240
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Functional improvements include integral zonal LEDs which enable instant identification of alarm locations, and ensure compliance with BS5839 without the cost of a separate LED zone card.

The new PCB integrates both control panel and peripherals on the same board and incorporates the latest high-speed micro-processor technology, for 9 times faster operation than MxPro 4.

Powerful cause-and-effect programming and enhanced trace diagnostics make the panel suitable for a wide range of site applications, from small to medium systems.

All Go series panels are fully programmable on site via the control panel display or with our updated, easy-to-use PC Configuration Tool.

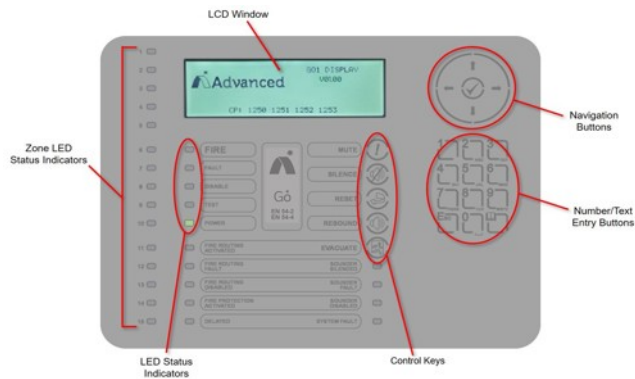


Listings and Approvals

- EN54-2:1997 +A1:2006
- EN54-4:1997 +A1:2002 +A2:2006
- EN 61000-3-2:2014
- EN 61000-3-3:2013
- EN 50130-4: 2011 +A1:2014
- EN 55032:2015
- EN 62368-1:2014+A11:2017
- EN IEC 63000:2018

Features and Benefits

- Supports Axis-EN protocol fire systems
- Graphical LCD user interface, LED indicators & push buttons
- Installer-friendly auto-learn, loop detection and on-board scope facility
- 500 fire + 5000 general event logging, with advanced diagnostic precision to aid installation & fault-finding
- Integral 15 zone LEDs ensures compliance with BS5839, with 35 additional software indication zones
- Supported by the latest generation PC configuration tool on MS Office365, with updated look and feel and easy drag-&-drop device selection
- Two on-board sounder outputs, three on-board relay outputs
- Optional 3 monitored input/outputs for fire/fault routing (with P-Bus adaptor & routing card) for full EN54 compliance when connected to an Alarm Receiving Centre
- Dedicated USB Type B port for direct PC connection
- Ethernet port for future connectivity
- Innovative 'no hinge' removable door and hangable chassis for easier installation
- Designed to EN54-13 (2005 & 2017) for enhanced monitoring and optimal fire system performance



Designed to be user-friendly and easy to operate, the Advanced user interface with graphical LCD is the information and control centre for the Go series fire alarm control panel.

This interface enables complete system status, interrogation and control via

- Backlit 240x64 pixel digital display
- 5 LED status indicators
- 5 control buttons
- Arrow navigation and select buttons
- 12-button alpha-numeric keypad

Buttons (Keys)

	MUTE Press to mute the internal buzzer.
	SILENCE Press to silence the sounders.
	RESET Press to reset the panel from a fire alarm or latched fault condition.
	RESOUND Press to re-activate the sounders.
	EVACUATE Press to initiate a manual evacuation and sound the alarms.

LED Indicators

FIRE	Red
FAULT	Yellow
DISABLE	Yellow
TEST	Yellow
POWER	Green
FIRE ROUTING ACTIVATED	Red
FIRE ROUTING FAULT	Yellow
FIRE ROUTING DISABLED	Yellow
DELAYED	Yellow
FIRE PROTECTION ACTIVATED	Red
SOUNDER SILENCED	Yellow
SOUNDER FAULT	Yellow
SOUNDER DISABLED	Yellow
SYSTEM FAULT	Yellow

Part Numbers and Optional Modules

Go	Axis-Go1	Axis-Go1 - 1-Lp Fire Alarm Panel - Grey (Advanced\Axis Brand)	50 addresses
Go+	Axis-Go1+	Axis-Go1+ - 1-Lp Fire Alarm Panel - Grey (Advanced\Axis Brand)	240 addresses
Options	GOP-001	GO1 PBUS Adaptor Card	
	GOP-002	GO1 Access Enable Key-switch Assy	
	MXP-532	Mx-5000 ROUTING / PROTECTION INTERFACE	
	MXP-506	Mx-5000 ROUTING TERMINATION CARD	

Technical Specifications

PERFORMANCE

Protocol	Axis-EN
Number of Loops	1
Loop Current ¹	500mA max
Number of Fire Zones	50 max
Sounder Outputs ¹	2 x 1A Programmable (1A total)
Relay Outputs (Programmable)	3 x 1A 30VAC/DC (max) to 10mA 5V (min)
Auxiliary Output ^{1 2}	24V DC, 100mA (With GOP-001 Fitted)
Display	LCD White backlit 240 x 64 Graphical LCD
Programmable Inputs	1 x Key Switch, 1 x monitored
USB	USB type B interface for PC connection
Network	None
Ethernet	10-Base-T, 100-Base-T
Event Log	5000 Events with Diagnostics + 500 Fire Events

INSTALLATION

Enclosure	Steel IP30 RAL7035
Dimensions H x W x D mm	345 x 345 x 87
Weight (excluding batteries)	4Kg
Temperature Range	-5°C to 40°C
Humidity (RH)	95% max
Cable Entries	14 x 20mm knockouts at top
AC Supply	220-240V, 50 – 60 Hz, 1.0A max
Safety	EN62368-1, Class 1, Pollution Degree 2, Overvoltage Category II
Battery Capacity	24V 4Ah Internal (min), 24V 7Ah Internal (max)
Charging Current	0.35A Temp Compensated
Deep Discharge Cut-off	19.5V
Power Supply	On-board 24V DC, 1.5A High Efficiency Off-Line Switched Mode
Output Voltage ³	18.0V – 28.0V
Ripple (Vpkpk)	Up to 1.0V
Max Battery Ohms	1.8Ω ± 0.1 Ω
I _{max(a)} , I _{max(b)} ⁴	1.15A, 1.5A

¹ Total output current from panel not to exceed I_{max(b)} less internal power consumption.

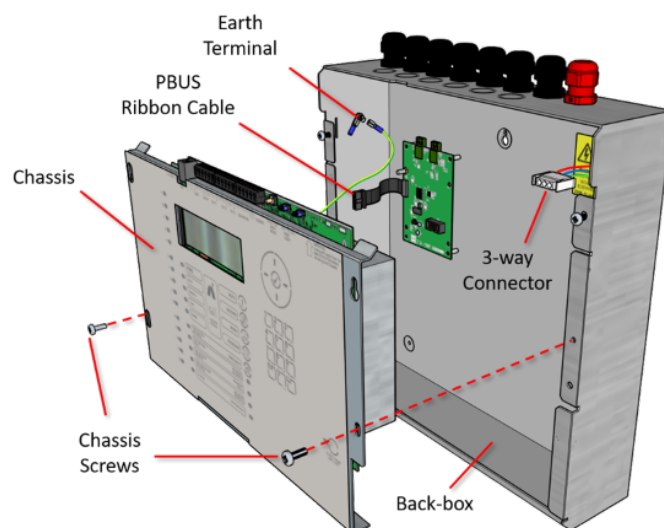
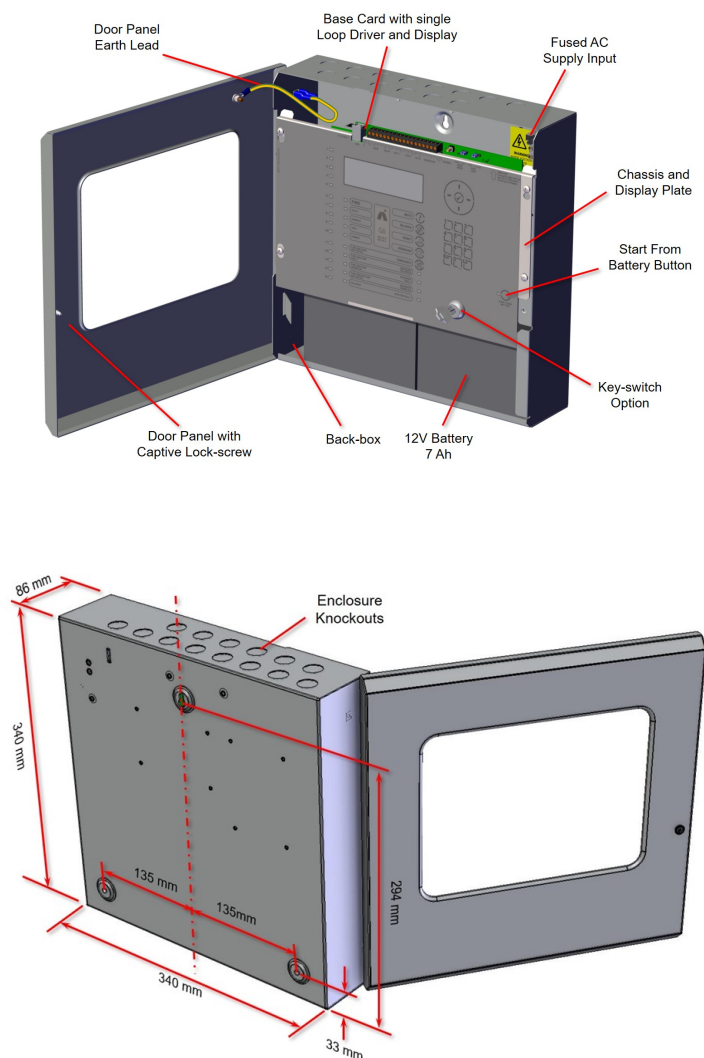
² Aux supply tracks a maximum of 0.5V below battery terminal voltage when no mains supply is available.

³ Min/Max specifications for the AUX and Sounder outputs. Detector Loop voltage is not dependent on AC or battery voltage.

⁴ Only applicable if the panel is configured to turn off the charger in alarm. Otherwise I_{max(b)} = I_{max(a)}.

As our policy is one of constant product improvement, we reserve the right to modify product specifications without prior notice. E&OE

Product Images



- Ethernet port
- USB Type B for PC connection
- Loop input/output, 24VDC 0.5A
- Monitored Switch input
- 3x Relays (Fire, Fault, Other)
- 2x Sounders, each 24VDC 1.0A

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

1 Loop Fire Alarm Control Panel

The Axis EN series control panels are supplied with a single loop driver card, 2 onboard sounder circuits, 20 programmable zonal LEDs with slide-in labels, and 25 system LEDs for information purposes. There are also 4 programmable function buttons with LED indication for confirmation of operation.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution, high contrast, graphical LCD display and tactile keypad providing a simple 'select & click' programming aid for engineer configuration and end user operation.

Powerful cause-and-effect programming coupled with dynamic zoning, and enhanced trace diagnostics makes the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable on-site via the on-board alphanumeric keypad, or PC-NeT Configuration Software.

An extensive suite of user-friendly Windows based PC software programs has been developed to enhance your experience when using Axis EN series fire panels. The suite incorporates a number of different programmes which include configuration, service, logo and virtual panel tools to allow the flexibility of the equipment to be fully explored.

Simply adding a network card allows the panel to communicate with any other Axis EN fire panel, remote terminal, or network peripheral, such as ipGateway™, BMS or graphical interface. The network operates as a true peer-to-peer system and can be configured in a faulttolerant loop or radial format.



Features

- 20 programmable zonal / 25 System LEDs.
- Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware.
- Dedicated USB & RS232 Serial Port for direct PC or modem connection.
- Installer friendly Auto-learn, Loop Detection and On-board Scope facility.
- Graphical display configurable for virtually any language.
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- Integral P-Bus for system expansion via available option cards.
- Ad-NeT peer-to-peer network with up to 2000 zones
- Approved to EN54 part 2, 4 and 13

Approvals



- EN54-2:1997 +AC:1999 +A1:2006
- EN54-4:1997 +AC:1999 +A1:2002 +A2:2006
- EN 50130-4: 2011+A1:2014
- EN 55032:2015
- EN 62368-1:2014+A11:2017
- EN 62368 1:2020+A11:2020
- EN IEC 63000:2018
- EN 54-13:2017 (Pending)

Specification

Base technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	White backlit 240 x 64 graphical LCD (5.5 inches x 2.5 inches)
LED Indicators	22 red (1 x Fire, 1 x More Alarms, 20 x Zonal Programmable), 1 green (Power), 13 amber and 12 bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x Programmable push buttons
Number of Fire Zones	2000 (200 per individual panel)
Number of Loops	1
Devices per Loop	Up to 240
Loop Current	500mA
On-Board Sounder Circuits	x 1 Amp programmable
On-Board Relays	2 x 1 Amp 30v AC/DC programmable(10mA, 5v min) - expandable to 4 using Mxp-507
Auxiliary Supply	1 x 24v 500mA
Programmable Input	1 x monitored programmable input on-board
Programmable Key Switch Inputs	1 x volt free input (standard enc.), 8 x inputs (M, L, D enc.)
Total Available Output Current	3A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.0A Max
Battery Capacity	24v 4 Ah internal (min), 24v, 7 Ah internal (max), medium enc. (M) - 24v, 12Ah internal (max), large enc. (L) - 24v, 18Ah internal (max), deep enc. (D) - 24v, 45Ah
Charger Current	1A temperature compensated
Serial Port	1 x on-board RS232 connection for PC, modem, IP, or portable printer
USB Interface	1 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	5000 event & diagnostic + 500 fire
Networking	Optional plug-in network card (Mxp-503 - standard, or Mxp-509 - fault-tolerant)
Printer (optional)	On-board (M, L, D enclosures only)
Enclosure / Colour	Steel IP30 / RAL7035
Temperature	-5°C to 40°C
Metalwork Options	Flushing bezel, battery box, utility enclosure and termination enclosure

Dimensions and Capacity

	Dimensions	Cable Entry	Battery Capacity (internal)	
	H x W x D mm	(20mm knockouts)	Min	Max
Standard	345 x 345 x 85	13 x top, 8 x rear	24v 4Ah	24v 7Ah
Medium	345 x 430 x 120	17 x top, 11 x rear	24v 4Ah	24v 12Ah
Large	475 x 450 x 120	19 x top, 11 x rear	24v 4Ah	24v 18Ah
Large-Deep	475 x 450 x 190	30 x top, 11 rear & 3 bottom	24v 4Ah	24v 18Ah

Order Codes and Options

Axis-5101:	Single Loop Panel in Standard Enclosure
Axis-5101M:	Single Loop Panel in Medium Sized Enclosure
Axis-5101L:	Single Loop Panel in Large Enclosure
Axis-5101D:	Single Loop Panel in Large Deep Enclosure

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1-2 Loop Fire Alarm Control Panel

The Axis EN series control panels are fully expandable from 1 - 2 loops and supplied with 2 on-board sounder circuits, 20 programmable zonal LEDs with slide-in labels, and 25 system LEDs for information purposes. There are also 4 programmable function buttons with LED indication for confirmation of operation.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution, high contrast, graphical LCD display and tactile keypad providing a simple select and click programming aid for engineer configuration and end user operation.

Powerful cause-and-effect programming and enhanced trace diagnostics makes the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable onsite via the on-board alphanumeric keypad, or PC-Net-022 configuration software.

PC Software: An extensive suite of user-friendly Windows based PC software programs has been developed to enhance your experience when using Axis EN Series of Fire panels. The suite incorporates a number of different programmes to include a configuration, service, logo and virtual panel tool to allow greater flexibility of the equipment to be fully explored.

Network: Simply adding a network card allows the panel to communicate with any other Axis EN fire panel, remote terminal, or network peripheral, such as BMS or Graphical Interface. The network operates as a true peer-to-peer system and can be configured in a fault-tolerant loop or radial format.



Features

- Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware.
- Dual flash-based microprocessor technology with real-time clock on-board.
- Dedicated USB & RS232 serial port for direct PC or modem connection.
- Installer friendly Auto-learn, Loop Detection and On-board Scope facilities for ease of commissioning and fault finding.
- Graphical display configurable for virtually any language
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- Fully programmable via the on-board alphanumeric keypad, or PC configuration tools.
- Integral 'P-Bus' for system expansion via available option cards
- Advanced Networking peer-to-peer network with up to 2000 zones
- Approved to EN54 part 2 and 4

Approvals



- EN54-2:1997 +AC:1999 +A1:2006
- EN54-4:1997 +AC:1999 +A1:2002 +A2:2006
- EN 50130-4: 2011+A1:2014
- EN 55032:2015
- EN 62368-1:2014+A11:2017
- EN 62368-1:2020+A11:2020
- EN IEC 63000:2018
- EN 54-13:2017 (Pending)

Specification

Base Technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	White backlit 240 x 64 graphical LCD (5.5 inches x 2.5 inches)
LED Indicators	22 red (1 x Fire, 1 x More Alarms, 20 x Zonal Programmable), 1 green (Power), 13 amber and 12 bi-colour (Fault & System)
Controls Protocols	Alpha numeric keypad permitting Navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x programmable push buttons
Number of Fire Zones	2000 (200 per individual panel)
Number of Loops	Dedicated 1-2 loop control panel
Devices per loop	Up to 240
Loop Current	500mA per loop
On-Board Sounder Circuits	2 x 1 Amp programmable
On-Board Relays	2 x 1 Amp 30v AC/DC programmable (10mA, 5v min) - expandable to 4 using Mxp-507
Auxiliary Supply	1 x 24v 500mA
Programmable Input	1 x monitored programmable input on-board
Programmable Key Switch Inputs	8 volt free inputs
Total Available Output Current	5A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.4A max
Battery Capacity	24V 4Ah internal (min), 24V, 12Ah internal (max), large enc. (L) - 24v, 18Ah internal (max), deep enc. (D) - 24v, 45Ah internal (max)
Charger Current	2A temperature compensated
Serial ports	1 x On-board RS232 connection for PC, modem, IP, or portable printer
USB Interface	1 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	5000 event & diagnostic + 500 fire
Networking	Optional plug in Network Card (Mxp-503 - Standard, or Mxp-509 - Fault-Tolerant)
Printer (Optional)	On-board (M, L, D enc. only)
Enclosure / Colour	Steel IP30 / RAL7035
Temperature	-5°C to 40°C
Metalwork Options	Flushing bezel, battery box, utility enclosure and termination enclosure

Dimensions and Capacity

	Dimensions	Cable Entry	Battery Capacity (internal)	
	H x W x D mm	(20mm knockouts)	Min	Max
Standard	345 x 430 x 120	13 x top, 8 x rear	24v 4Ah	24v 12Ah
Large	475 x 450 x 120	19x top, 11x rear, 2x bottom	24v 4Ah	24v 18Ah
Large-Deep	475 x 450 x 190	30x top, 11x rear, 3x bottom	24v 4Ah	24v 45Ah

Order Codes and Options

Axis-5201:	1-2 Loop Panel in Standard Sized Enclosure
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Axis-5201L:	1-2 Loop Panel in Large Enclosure
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Axis-5201D:	1-2 LoopPanel in Large Deep Enclosure
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Note: 1 loop card comes as standard. If more loops are required, please order 1 loop driver card per extra loop.

Part Code	Description
MXP-568	Loop driver card - Axis

1-4 Loop Fire Alarm Control Panel

The Axis EN series is fully expandable from 1 to 4 loops and supplied with 4 on-board sounder circuits, 20 programmable zonal LEDs with slide-in labels, and 25 System LEDs for information purposes. There are also 4 programmable function buttons with LED indication for confirmation of operation.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution, high contrast, graphical LCD display and tactile keypad providing a simple select and click programming aid for engineer configuration and end-user operation.

Powerful cause-and-effect programming and enhanced trace diagnostics makes the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable onsite via the on-board alphanumeric keypad, or PC-NeT configuration software.

PC Software: An extensive suite of user-friendly Windows based PC software programs has been developed to enhance your experience when using Axis EN series fire panels. The suite incorporates a number of different programmes to include a configuration, service, logo and virtual panel tool to allow the flexibility of the equipment to be fully explored.

Network: Simply adding a network card allows the panel to communicate with any other Axis EN fire panel, remote terminal, or network peripheral, such as, ipGateway™ or BMS/graphical interface. The network operates as a true peer-to-peer system and can be configured in a fault-tolerant loop or radial format.



Features

- 20 programmable Zonal / 25 System LEDs.
- Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware.
- Dedicated USB & RS232 serial port for direct PC or modem connection.
- Installer friendly Auto-learn, Loop Detection and On-board Scope facility for ease of commissioning and fault finding.
- The graphical display can be configured to operate with virtually any language or character set, and allow the installer's logo to be applied using the Logo application software.
- Integral P-Bus for system expansion via available option cards.
- Ad-NeT peer-to-peer network with up to 2000 zones
- Approved to EN54 part 2, 4 and 13.

Approvals



- EN54-2:1997 +AC:1999 +A1:2006
- EN54-4:1997 +AC:1999 +A1:2002 +A2:2006
- EN 50130-4: 2011+A1:2014
- EN 55032:2015
- EN 62368-1:2014+A11:2017
- EN 62368-1:2020+A11:2020
- EN IEC 63000:2018
- EN 54-13:2017 (Pending)

Specification

Base Technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	White backlit 240 x 64 graphical LCD (5.5 inches x 2.5 inches)
LED Indicators	22 red (1 x Fire, 1 x More Alarms, 20 x Zonal Programmable), 1 green (Power), 13 amber and 12 bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting Navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x Programmable Push Buttons
Number of Fire Zones	2000 (200 per individual panel)
Number of Loops	Dedicated 1- 4 loop control panel
Devices per loop	Up to 240
Loop Current	500mA per loop
On-Board Sounder Circuits	4 x 1 Amp programmable
On-Board Relays	2 x 1 Amp 30v AC/DC programmable (10mA, 5v min) - expandable to 4 using Mxp-507
Auxiliary Supply	1 x 24v 500mA
Programmable Input	1 x monitored programmable input on-board
Programmable Key Switch Inputs	8 volt free inputs
Total Available Output Current	5A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.4A max
Battery Capacity	24V 4Ah internal (min), 24V, 18Ah internal (max), deep enc. (D) - 24v, 45Ah internal (max)
Charger Current	2A temperature compensated
Serial ports	1 x on-board RS232 connection for PC, modem, IP or portable printer
USB Interface	1 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	5000 Event & Diagnostic + 500 Fire
Networking	Optional plug in network card (Mxp-503 - standard, or Mxp-509 - fault-tolerant)
Printer (Optional)	On-board (M, L, D Enc. Only)
Enclosure / Colour	Steel IP30 / RAL7035
Temperature	-5°C to 40°C
Metalwork Options	Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount

Dimensions and Capacity

	Dimensions	Cable Entry	Battery Capacity (internal)	
	H x W x D mm	(20mm knockouts)	Min	Max
Standard	475 x 450 x 120	19x top, 11x top rear, 2x bottom	24v 4Ah	24v 18Ah
Large-Deep	475 x 450 x 190	30x top, 11x top rear, 3x bottom	24v 4Ah	24v 45Ah
Extended	750 x 450 x 190	30x top, 6x top rear, 3x bottom plus 2x double rear	24v 4Ah	24v 45Ah

Order Codes and Options

Axis-5401	1-4 Loop Fire Panel
Axis-5401D	1-4 Loop Fire Panel in Deep Enclosure
Axis-5401R	1-4 Loop 19" Rack Mount FACP with 1 Loop Card
Axis-5401E	1-4 Loop Fire Panel in Extended Enclosure

Note: 1 loop card comes as standard. If more loops are required, please order 1 loop driver card per extra loop.

Part Code	Description
MXP-568	Loop driver card - Axis

2-8 Loop Fire Alarm Control Panel

The Axis EN series is fully expandable from 2 to 8 loops and supplied with 8 on-board sounder circuits, 20 programmable Zonal LEDs with slide-in labels, and 25 System LEDs for information purposes. There are also 8 programmable function buttons with LED indication for confirmation of operation.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution, high contrast, graphical LCD display and tactile keypad providing a simple select & click programming aid for engineer configuration and end-user operation.

Powerful cause-and-effect programming coupled with dynamic zoning, and enhanced Trace Diagnostics makes the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable onsite via the on-board alphanumeric keypad, or PC-NeT configuration software. An extensive suite of user-friendly Windows based PC software programs has been developed to enhance your experience when using Axis EN series fire panels. The suite incorporates a number of different programmes to include a configuration, service, logo and virtual panel tool to allow the flexibility of the equipment to be fully explored.

Simply adding a network card allows the panel to communicate with any other Axis EN fire panel, remote terminal, or network peripheral, such as, ipGateway™ or BMS/graphical interface. The network operates as a true peer-to-peer system and can be configured in a fault tolerant loop or radial format.



Features

- Fully expandable from 2 - 8 loops via plug-in loop driver boards.
- 20 programmable Zonal / 25 System LEDs with slide-in labels.
- Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware.
- Dual flash-based microprocessor technology with real-time clock on-board.
- Dedicated USB & RS232 serial port for direct PC or modem connection.
- Installer friendly Auto-learn, Loop Detection and On-board Scope facility for ease of commissioning and fault finding.
- Fully programmable via the on-board alphanumeric keypad, or PC configuration tools.
- The graphical display can be configured to operate with virtually any language or character set, and allow the installer's logo to be applied using the Logo application software.
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- 2 x 5 Amp power supply and charger to En54 part 4.
- Integral P-Bus for system expansion via available option cards.
- Ad-NeT peer-to-peer network with up to 2000 zones.
- Approved to EN54 part 2, 4 and 13.

Approvals



- EN54-2:1997 +AC:1999 +A1:2006
- EN54-4:1997 +AC:1999 +A1:2002 +A2:2006
- EN 50130-4: 2011+A1:2014
- EN 55032:2015
- EN 62368-1:2014+A11:2017
- EN 62368-1:2020+A11:2020
- EN IEC 63000:2018
- EN 54-13:2017 (Pending)

Specification

Base Technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	White backlit 240 x 64 graphical LCD (5.5 inches x 2.5 inches)
LED Indicators	22 red (1 x Fire, 1 x More Alarms, 20 x Zonal Programmable), 1 green (Power), 13 amber and 7 bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting Navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x Programmable Push ButtonsActual 2
Number of Fire Zones	2000 when networked (400 max across 8 loops)
Number of loops	Dedicated 2-8 loop control panel
Devices per loop	Up to 240
Loop Current	500mA max per loop
On-Board Sounder Circuits	8 x 1 Amp programmable
On-Board Relays	4 x 1 Amp 30v AC/DC programmable (10mA, 5v min) - expandable to 8 using 2 x Mxp-507
Auxiliary Supply	2 x 24v 500mA 2
Programmable Input	2 x On-board Programmable Input
Programmable Key Switch Inputs	16 volt free digital inputs
Total Available Output Current	2 x 5A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.4A max
Battery Capacity	2 x 24V 4Ah internal (min), 2 x 24V, 18Ah internal (max), or 1 x 24V 45Ah internal (max) and 1 x 24V 45Ah external (max) using optional battery enclosure
Charger Current	2 x 2.0A temperature compensated
Serial ports	2 x on-board RS232 connection for PC, modem, IP or portable printer
USB Interface	2 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	2 x 5000 Event & Diagnostic + 500 Fire
Printer (Optional)	On-board
Enclosure / Colour	Steel IP30 / RAL7035
Temperature	-5°C to 40°C
Metalwork Options	Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount

Dimensions and Capacity

	Dimensions	Cable Entry	Battery Capacity (internal*)	
	H x W x D mm	(20mm knockouts)	Min	Max
Standard	750 x 450 x 190	30x top, 6x top rear, 3x bottom plus 2x double rear	24v 4Ah	24v 45Ah

*Or 1 x 24V 45Ah internal (max) and 1 x 24V 45Ah external (max) using optional battery enclosure

Order Codes and Options

Axis-5802: Multi Loop Panel in Standard Enclosure with standard network cards fitted

Axis-5802/FT: Multi Loop Panel in Standard Enclosure with fault-tolerant network cards fitted

Note: 2 loop cards come as standard. If more loops are required, please order 1 loop driver card per extra loop.

Part Code	Description
MXP-568	Loop driver card - Axis

Remote Display Terminal

The remote terminals utilise the same graphical LCD user interface that can be found on the Axis EN series fire panels and are based upon the same advanced, flash based, microprocessor technology.

The Axis EN panels and remote terminals can communicate over the same 2-core network cable.

They feature an integral network interface incorporating a special screen termination to prevent mains frequency earth-loop currents flowing between network nodes.

The Ad-NeT network operates as a true peer-to-peer system with full cross panel reporting, control and cause-and-effect functionality of up to 2000 zones.

All remote terminals incorporate buzzer mute, view, enable/disable and test facilities with dedicated system and navigation keys for simple user control.

The display information is fully programmable by individual zone or sector and can display any combination of fires, faults, pre-alarms or plant alarms. E.g. can display all information in its own sector, but can only show fire signals from other sectors of a building.



Features

- The RCT has additional sector based control keys for Silence, Mute, Resound and Reset, which allows other networked panels to selectively respond to controls as programmed. E.g. on a site with multiple buildings, a user may be allowed to silence and reset fires originating in their own building. Fires originating from other buildings are displayed but cannot be reset.
- Fully on-site programmable via on-board alphanumeric keypad or PC configuration tools.
- View all information from across the network
- By using flash memory and an advanced graphical display the remote terminals can be easily configured to operate in virtually any language, with any character set and allows for the installer's logo and company details to be displayed on the LCD display during normal operation.
- Fully programmable push buttons for remote isolation, class change or general alarms. compatible with a wide range of routing equipment.
- Networked for system display or control
- Approved to EN54 part 2, 4 and 13.

Specification

Display	White backlit 240x64 graphical LCD
LED Indicators	1 red (1 x Fire, 1 x Alarm), 1 green (Power) & 3 amber (Fault & System)
Keypad	Alpha numeric keypad, navigation keys & on-board buzzer mute facility
Controls	System keys for Mute
Key-Switch Input	Optional level 2 access enable key switch
Power Supply Input	24 VDC, 115mA (/FT: 150mA) operating range 15-30V

The RCT requires external power supply

External Supply Monitoring	Monitored external fault input
Number of Fire Zones	2000
USB/Serial Ports	1 x USB
Programming	Via on-board keypad or PC running Windows tools
Enclosure	Steel IP30
Cable Entry	20mm knock-outs. 4 x top and 4 x rear
Colour	RAL 7035
Size H x W x D mm	Enclosure: 218 x 300 x 42 Back box only (when recessing) 218 x 300 x 30
Metalwork Options	Semi flushing bezel, special finishes including stainless steel & chrome

Order Codes and Options

Mx-5010:	(RDT) Remote Display Terminal
Mx-5010/FT:	Fault Tolerant version
Mxm-521:	Semi-flushing bezel
Mxp-518(F)*:	Access enable key-switch
Mxs-028:	Spare peripheral Fault Tolerant network interface

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Remote Control Terminal

The remote terminals utilise the same graphical LCD user interface that can be found on the Axis EN series fire panels and are based upon the same advanced, flash based, microprocessor technology.

The Axis EN panels and remote terminals can communicate over the same 2-core network cable.

They feature an integral network interface incorporating a special screen termination to prevent mains frequency earth-loop currents flowing between network nodes.

The Ad-NeT network operates as a true peer-to-peer system with full cross panel reporting, control and cause-and-effect functionality of up to 2000 zones.

All remote terminals incorporate buzzer mute, view, enable/disable and test facilities with dedicated system and navigation keys for simple user control.

The display information is fully programmable by individual zone or sector and can display any combination of fires, faults, pre-alarms or plant alarms. E.g. can display all information in its own sector, but can only show fire signals from other sectors of a building.



Features

- The RCT has additional sector based control keys for Silence, Mute, Resound and Reset, which allows other networked panels to selectively respond to controls as programmed. E.g. on a site with multiple buildings, a user may be allowed to silence and reset fires originating in their own building. Fires originating from other buildings are displayed but cannot be reset.
- Fully on-site programmable via on-board alphanumeric keypad or PC configuration tools.
- View all information from across the network
- By using flash memory and an advanced graphical display the remote terminals can be easily configured to operate in virtually any language, with any character set and allows for the installer's logo and company details to be displayed on the LCD display during normal operation.
- Networked for System Display or Control

Specification

Display	White backlit 240x64 graphical LCD
LED Indicators	2 red (1 x Fire, 1 x Alarm), 1 green (Power) & 3 amber (Fault & System)
Keypad	Alpha numeric keypad, navigation keys & on-board buzzer mute facility
Controls	System keys for Mute, reset, Silence, Resound
Key-Switch Input	Optional level 2 access enable key switch
Power Supply Input	24 VDC, 115mA (/FT: 150mA) operating range 15-30V
External Supply Monitoring	Monitored external fault input

Number of Fire Zones	2000
USB/Serial Ports	1 x USB
Programming	Via on-board keypad or PC running Windows tools
Enclosure	Steel IP30
Cable Entry	20mm knock-outs. 4 x top and 4 x rear
Colour	RAL 7035
Size H x W x D mm	Enclosure: 218 x 300 x 42 Back box only (when recessing) 218 x 300 x 30
Metalwork Options	Semi flushing bezel, special finishes including stainless steel & chrome

Order Codes and Options

Mx-5020:	(RDT) Remote Display Terminal
Mx-5020/FT:	Fault Tolerant version
Mxm-521:	Semi-flushing bezel
Mxp-518F(F)*:	Access enable key-switch
Mxs-028:	Spare peripheral Fault Tolerant network interface
(F)*	Add - Fitted

Large Remote Control Terminal

The remote terminals utilise the same graphical LCD user interface that can be found on the Axis EN series fire panels and are based upon the same advanced, flash based, microprocessor technology.

The Axis EN panels and remote terminals can communicate over the same 2-core network cable.

They feature an integral network interface incorporating a special screen termination to prevent mains frequency earth-loop currents flowing between network nodes.

The Ad-NeT network operates as a true peer-to-peer system with full cross panel reporting, control and cause-and-effect functionality of up to 2000 zones.

All remote terminals incorporate buzzer mute, view, enable/disable and test facilities with dedicated system and navigation keys for simple user control.

The display information is fully programmable by individual zone or sector and can display any combination of fires, faults, pre-alarms or plant alarms. E.g. can display all information in its own sector, but can only show fire signals from other sectors of a building.



Features

- The RCT has additional sector based control keys for Silence, Mute, Resound and Reset, which allows other networked panels to selectively respond to controls as programmed. E.g. on a site with multiple buildings, a user may be allowed to silence and reset fires originating in their building. Fires originating from other buildings are displayed but cannot be reset.
- Fully on-site programmable via onboard alphanumeric keypad or PC configuration tools.
- View all information from across the network.
- By using flash memory and an advanced graphical display, the remote terminals can be easily configured to operate in virtually any language, with any character set and allows for the installer's logo and company details to be displayed on the LCD during normal operation.
- Fully programmable push buttons for remote isolation, class change or general alarms. Compatible with a wide range of routing equipment.
- Networked for System Display or Control.
- Approved to EN54 part 2, 4 and 13.

Specification

Display	White backlit 240x64 graphical LCD
LED Indicators	2 red (1 x Fire, 1 x Alarm), 1 green (Power) & 18 amber (Fault & System)
Keypad	Alpha numeric keypad, navigation keys & on-board buzzer mute facility
Controls	System keys for Mute, reset, Silence, Resound & Evacuation
Key-Switch Input	Optional level 2 access enable key switch
Power Supply Input	24 VDC, 115mA (/FT: 150mA) operating range 15-30V The RCT requires external power supply
External Supply Monitoring	Monitored external fault input
Number of Fire Zones	2000
USB/Serial Ports	1 x USB & 1x RS232
Programming	Via on-board keypad or PC running Windows tools
Enclosure	Steel IP30
Cable Entry	20mm knock-outs. 4 x top and 4 x rear
Colour	RAL 7035
Size H x W x D mm	Enclosure: 263 x 300 x 42 Back box only (when recessing) 263 x 300 x 30
Metalwork Options	Semi flushing bezel, special finishes including brass & chrome

Order Codes and Options

Mx-5030:	(RCT)Remote Control Terminal c/w Programmable Push buttons and LEDs
Mx-5030/FT:	Fault Tolerant version
Mxm-509:	Semi-flushing bezel
Mxp-518(F)*	Access enable key-switch
Mxs-028:	Spare peripheral Fault Tolerant network interface
(F)*:	Add - Fitted

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