

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
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

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