Axis EN

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.

Approvals

FM APPROVED

- 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)

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.

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

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