Axis EN

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 periferal, 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.

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.
- 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

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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