

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
Axis-5201L:	1-2 Loop Panel in Large Enclosure
Axis-5201D:	1-2 Loop Panel in Large Deep 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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