

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.

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)

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.

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

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