

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-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 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

- 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.
- Advanced networking, peer-to-peer system, with up to 2000 zones

Approvals



- EN54-2:1997 +AC:1999 +A1:2006
- EN54-4:1997 +AC:1999 +A1:2002 +A2:2006
- EN 54-13:2005 (Pending)

Certified by FM Approvals to EN 54 Parts 2 and 4

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 |
| 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 |
| Cable Entry (20mm knockouts) | 19 x top, 11 x rear, 2 x bottom, deep enc. (D) - 30 x top, 11 x rear, & 3 x bottom |
| Size H x W x D mm | 470 x 450 x 115, deep enc. (D) - 470 x 450 x 190 |
| Metalwork Options | Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount |

Order Codes and Options

| | |
|-----------|---|
| MX-540#V | 1-4 Loop Fire Panel |
| MX-540#VD | 1-4 Loop Fire Panel in Deep Enclosure |
| MX-540#VR | 1-4 Loop 19" Rack Mount FACP with 1 Loop Card |
| MX-540#VE | 1-4 Loop Fire Panel in Extended Enclosure |

Replace # with number of loop drivers

[Check if this document is up to date](#) | [Give us feedback](#)

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000, E: enquiries@advancedco.com,
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.