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.

### 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.

### Approvals
- Certified by FM Approvals to EN 54 Parts 2 and 4

### Specification

<table>
<thead>
<tr>
<th>Base Technology</th>
<th>Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>White backlit 240 x 64 graphical LCD</td>
</tr>
</tbody>
</table>
### 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MX-540#V</td>
<td>1-4 Loop Fire Panel</td>
</tr>
<tr>
<td>MX-540#VD</td>
<td>1-4 Loop Fire Panel in Deep Enclosure</td>
</tr>
<tr>
<td>MX-540#VR</td>
<td>1-4 Loop 19&quot; Rack Mount FACP with 1 Loop Card</td>
</tr>
<tr>
<td>MX-540#VE</td>
<td>1-4 Loop Fire Panel in Extended Enclosure</td>
</tr>
</tbody>
</table>

Replace # with number of loop drivers

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