

IP Gateway

- Monitoring and interrogation via the internet
- Password protected multiple user permissions
- Event notification via email
- Access using a standard web browser
- Configurable over the internet



PC-Net Configuration Tool

- User-friendly 'Windows' based programming environment
- Full configuration of single panel or network system
- Automatic design check of site configuration
- Assistants menu allows engineers to easily configure panels



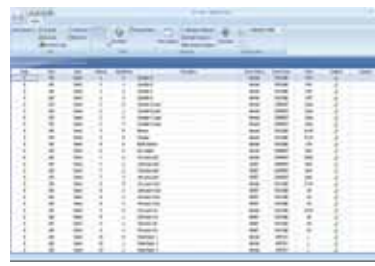
Mx Terminal

- Virtual panel display supports remote interrogation
- Direct USB/RS232 or remote Modem/IP connection
- Real time status information
- Event log can be downloaded



Service Tool

- Extract information from single or multiple panels
- Device History including last activation, test, enable, disable and created
- Data can be filtered and grouped in numerous different ways
- Create user defined reports



Advanced Diagnostics

- On board Scope for accurate fault diagnosis
- In build database for service and maintenance
- Drift and warning states
- Network wide panel meter readings



Advanced Software

- Unique Cause and Effect check tool
- 5000 Event log
- 1500 programmable logic lines and enhanced zonal logic
- Windows™ 7 compatible
- Programmable virtual terminal and LED display



Advanced Electronics Ltd

"By using new and emerging technologies to provide high quality, innovative and cost effective equipment designed to meet market needs, we aim to be the best independent OEM fire and safety systems manufacturer in the world."

Advanced Electronics Ltd
34 Moorland Way
Nelson Park
Cramlington
Northumberland
NE23 1WE
UK

T: +44 (0)1670 707111
F: +44 (0)1670 707222
E: sales@advel.co.uk



www.advel.co.uk



MX Series Intelligent Fire Control Panels



The Company

We are an independent, forward-thinking company specialising in high quality, innovative control and indicating equipment for the worldwide fire and safety system market.

Our success is based on a strong and highly customer focused strategy, driven by a team of experienced industry professionals sensitive to customer needs.

All of our products are manufactured at a state of the art production facility in Northumberland, which also houses our head office operations. Our research and development offices in South Yorkshire also include training and conference facilities and both sites are supported by satellite sales operations around the UK.



A trading subsidiary in the USA, plus distribution and agency agreements with carefully selected partners across Europe, Asia and the Middle East result in a network of associates covering over 50 key territories around the world.

Goals and objectives

Our mission is to be the best independent fire and safety systems manufacturer in the world, by using new and emerging technologies to provide dependable, high quality and innovative equipment and services designed to anticipate and satisfy market needs.

We listen carefully to our customers and associates, and our unshakeable commitment to continuous investment in technology, systems and staff has resulted in a range of technically advanced equipment and support services, approved and accepted by our worldwide customer base.

Products and Services

In addition to manufacturing a wide-ranging choice of analogue addressable fire control panels, addressable emergency lighting testing systems and alarm/communication solutions for the deaf and hearing impaired, we also source and supply system components and offer a design and manufacturing service for bespoke solutions to meet specific client requirements.

We want our customers to get maximum benefit from our systems and consider support and training an essential element of our services. To facilitate this we offer free of charge our modular 'Passport' training scheme. First class technical support is available by telephone from an experienced team of engineers, on hand to help with any queries.

Quality and Approvals

Quality and reliability are over-riding themes throughout all stages of the design, manufacture, sales and support functions. We believe that quality control is a collective responsibility, achieved through continual attention to customer feedback and business intelligence. By mapping this information back into the product development process and combining it with an innovative approach, we stay in tune with - and ahead of - the market.

The company has full multi-site ISO9001 accreditation on both manufacturing and design from the British Standards Institute (BSI) and the Loss Prevention Certification Board (LPCB). In addition to total compliance with UK and overseas industry-recognised standards, we also insist on independent third party approval of our products, many of which have achieved certification to international standards from a number of UK and overseas testing bodies.

The **Mx-5000** is the next generation of analogue addressable fire alarm control panels that are fully compliant with EN54 part 2, 4 and 13. The Mx-5000 has been developed following an extensive research programme involving industry professionals, customers and end-users. The panels have been designed to be flexible and powerful with an intuitive user interface. Each panel has a high resolution LCD display with a high-tactile feedback membrane keypad.

This combination provides a concise menu-based, high resolution graphical user interface with simple select and click programming to aid engineering configuration and end-user operation. An extensive range of peripherals is available for the Mx-5000, including input/output modules, printers and a variety of remote terminals, together with easy to use software for programming, diagnostics and control.



Mx-5100, Mx-5200 and Mx-5400 Series

One, Two and Four Loop Intelligent Fire Alarm Control Panels

- Each high current (500mA) plug in loop driver supports up to 254 (Protocol Specific) intelligent devices
 - Installer friendly 'Auto-learn', 'Scope' and 'Loop Detection' facility for trouble-free commissioning
- Advanced graphical display allows the panels to be configured with different languages and character sets
 - Simple 'select & click' programming to aid engineer configuration
 - Programmable LED and push buttons for end user operation
- Built-in intelligent Voltage and Current meters
 - Accurate reporting of loop diagnostics
 - View at the panel or remotely using PC-Net and IP Gateway
 - Unique auto-test of battery cell integrity
 - On board Oscilloscope
- Ad-Net-Plus peer to peer network with up to 200 nodes
 - Full cross panel reporting, control and cause and effect functionality
 - No single panel required to act as a 'Master' for the network to operate
 - Supports intelligent/programmable Remote Terminals, BMS interface, IP Gateway and I/O Drivers
 - Over 200,000 devices per network system
- Advanced metal fabrication
 - Removable chassis mounting plate
 - Small, medium and large enclosures with quick release fittings
 - 19 rack mount solutions
 - Special assembly solutions
- Optional panel mount or portable printer

"The next generation of EN-54 Analogue Addressable Fire Alarm Control Panels. The Mx-5000 series has been developed following an extensive research programme involving industry professionals, customers and end-users".

Advanced Technology

- Dedicated In Built Power Supply
- Direct USB & RS232 Ports
- Internal RS485 'P-Bus'
- Programmable Relays, 30V AC/DC 1A (x2)
- Programmable 1A Sounder Circuits (Up to 4)
- Serial Expansion Ports
- Plugable Terminal Arrangement
- Removable Chassis'
- Dedicated Programmable Switch Input
- Optional remote battery temperature sensor
- Plug-in expansion cards



Mx-5400 Series



BMS Interface Mxp-510-BX



IP Gateway Mxp-554



Remote Terminal Mx-5030

Ad-Net Peer to Peer Network



Input Mxp-537



Relay Mxp-035



Sounder Mxp-034



Routing Interface Mxp-532



Conventional Zone Mxp-536

Peripheral Bus (RS485)

Sounder Circuit (Up to 4 x 1A)

Ad-Net-Plus Network Features

- True Peer to Peer Communications
- Radial or fault-tolerant loop configuration
- Maximum 200 Nodes per Network supports:
 - Mx Series Panels
 - Mx Series Remote Terminals
 - IP Gateway
 - BMS Interface
 - Programmable Advanced Mimic Unit and I/O drivers
- Individual node configurable event reporting and control
- Dynamix zoning allows up to 2000 zones to be shared between panels
- Comprehensive network diagnostics of data communications and wiring

PC-Net Graphical Control Software

- Highly configurable Graphical User Interface
- Monitors the entire fire system through site maps, text and icons
- Ability to isolate by simply selecting icons and devices
- Fire Panel Controls include; Mute, Silence, Re-Sound, Reset, Disable/Enable and Evacuate
- Event Reports and Historic log with analysis features

