



MINERVA MX Software Tools

Making the commissioning & operation more user friendly

Features:

- MXConsys
- MXConsys Express
- MXDesigner™
- MXFlow
- MX Datalogger
- MXRemote
- MXChecker
- MX Loop Tester

MX CONSYS Programming Software

MX CONSYS is a powerful Windows compatible programming tool which provides full system programming functions and project configuration and issue control.

MX CONSYS Express Programming Software

MXConsys Express allows access to configure all the essential element of the MX Fire detection system without the need for extensive training or system knowledge.

MXDesigner™ System Design Tool

MXDesigner is a sophisticated engineering design tool that not only ensures system parameters and design rules are obeyed but is key to the ordering and documentation process.

MXFlow Commissioning Aid

MXFlow takes MXConsys 'event action' and transcribes it into a graphical format that is comprehensive and easy to follow.

MX Data Logger Utility

MX Data Logger version 2.0 provides request driven logging of current device values and status.

MXRemote Remote Communications Software

MXRemote is a remote communications software package that provides a fast and efficient means of diagnosis without having to attend site.

MX Checker Utility

MXChecker replaces, in software, all configured MX Loop Devices on a single Panel.

MX Loop Tester

The MX Loop Tester can be used to test, commission and fault-find a loop of MX analogue addressable detectors and ancillary devices, without having to connect the loop to a fire panel.

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MX CONSYS Programming Software

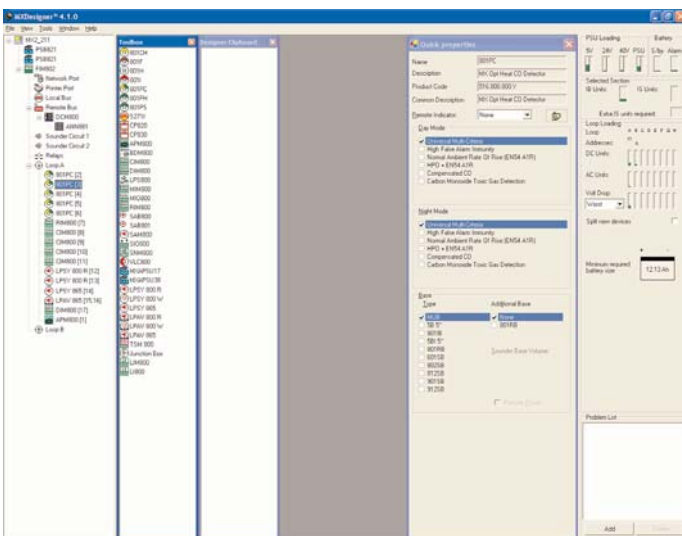
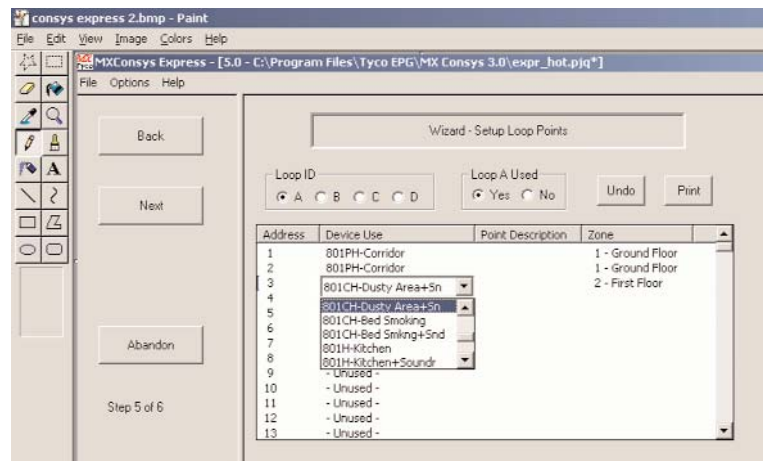
MXConsys is a powerful programming tool designed especially for MXTechnology™ systems. It allows the commissioning engineer to fully customise the MX fire detection systems operation to meet the customers specific requirements whilst ensuring that EN54 functionality is maintained.

MXConsys permits bespoke cause and effect for any device connected to the loop or remote bus and will handle timed, delayed, sequential or verified events to be programmed. The level of operation possible would normally require the use of a PLC. Consequently all MXConsys programmers must undertake a thorough course of training.



MX CONSYS Express Software

MXConsys Express allows access to configure all the essential element of the MX Fire detection system without the need for extensive training or system knowledge. Zones, points and messages are inputted using a selected template for the particular type of project for example a school or hotel. The easy to follow instructions prompt the user for each item of information as the detectors, callpoints and sounders are each added.



MXDesigner™ System Design Tool

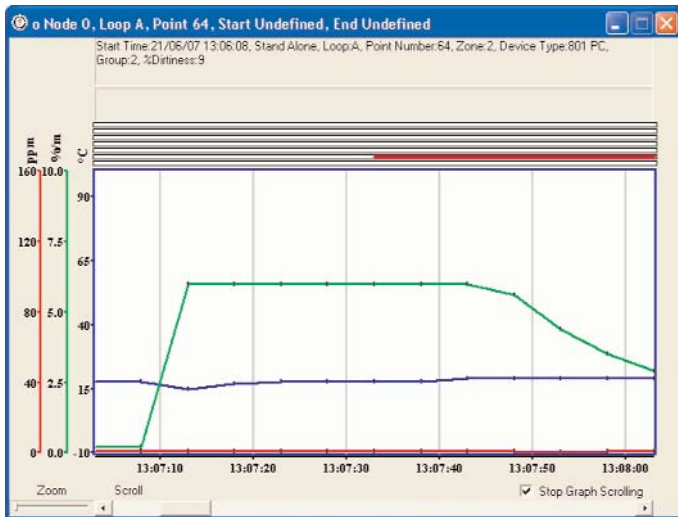
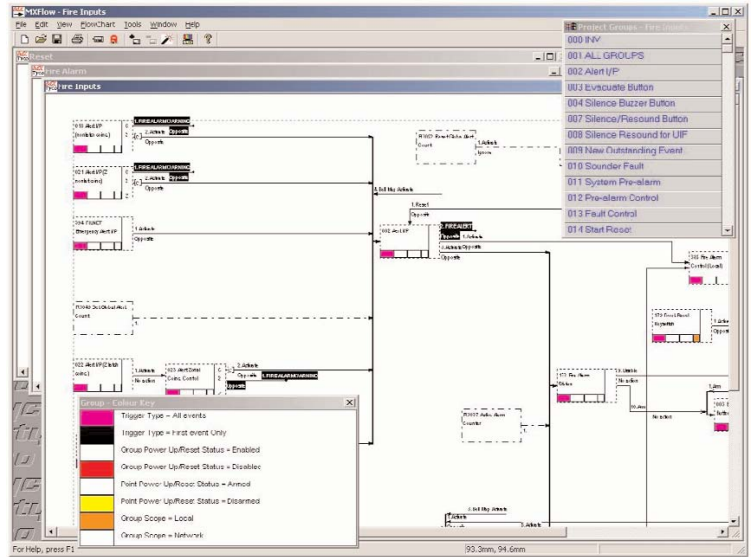
MXDesigner is a system design tool that provides a graphical user interface to simplify the detailed design of MX Technology™ systems. Using drag & drop techniques MXDesigner™ automatically produces system schematics. As a system design takes shape MXDesigner™ will constantly monitor loop loading, power supply loading, battery calculations and remote bus limits. This enables system designers and sellers, new to MXTechnology™ to confidently design systems without exceeding the design parameters.

Additionally, MXDesigner™ provides a complete bill of materials that lists all part numbers and branding options. A quantity breakdown is also provided for each loop used.

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MXFlow Commissioning Aid

MXFlow is a graphical engineering tool designed for displaying Tyco MX database information in a Flow Chart format. It takes its data from MX Consys, the configuration software used by the engineers. It is used to assist the engineer in understanding the way in which the system has been configured. Significant engineering time can be saved by using MXflow to provide a printout of the fire detection system's cause and effect that can be used in operator and maintenance manuals.

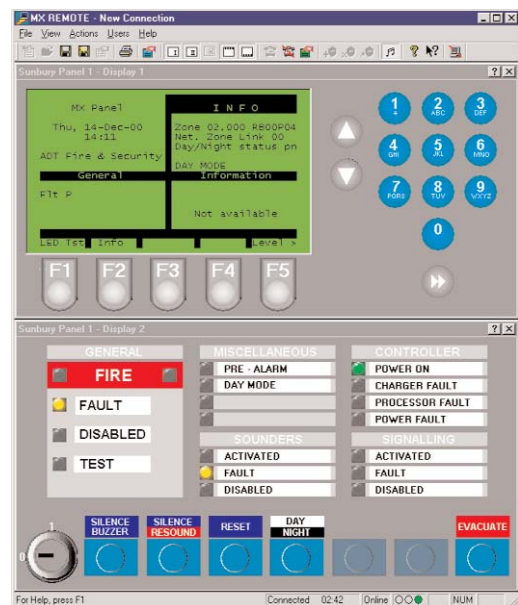


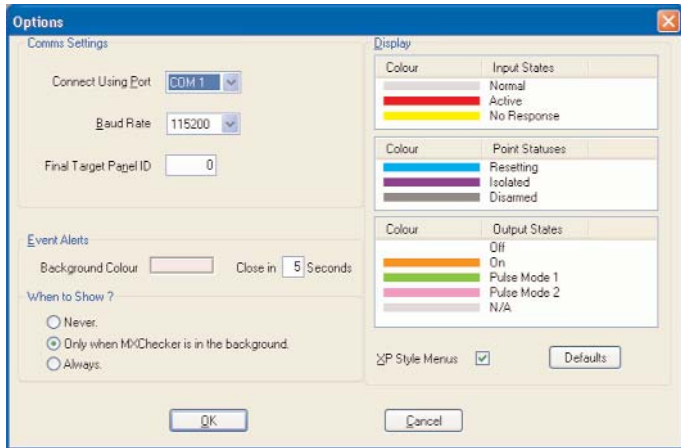
MX Data Logger Utility

MX Datalogger is a PC based service tool that enables device point values to be collected from MX panels at regular intervals. The collected data may be displayed in tabular form, graphically or stored for later analysis. Graphical representations provided by MX Datalogger can reveal trends that could be the result of environmental factors affecting the performance of the detection system. For multi-sensor devices such as the 3oTec Photo/Heat/CO detector, all three sensing elements can be monitored individually.

MXRemote Remote Communications Software

MXRemote is a software tool which allows an MX panel to be controlled from a remote location. It connects a PC to the MX panel via a serial data link, modem or IP network interface. The PC then acts like a fully functional repeater panel providing all the features available to a technician attending site. Remote diagnostics by trained technicians means that expert advice can be available 24 hours a day, speeding up repair times and often removing the need for a site visit altogether. MXRemote can also be used on-site as a fully functional fire alarm "repeater on a PC".





MX Checker Utility

MXChecker is a software tool for commissioning engineers use and provides an easy way to debug MX Consys cause and effect programming, without having to connect installed devices (eg. detectors, callpoints, relays). Productivity is increased by proving software configurations without disrupting plant operations, whether this is for new builds or during a system upgrade. MXChecker can be used for off-site commissioning or factory acceptance testing for major projects. At final commissioning the commissioning engineer can attend the site with the confidence that the configuration will operate correctly.

MX Loop Tester

MX Loop Tester is a hardware\ software combination that can be used to test, commission and fault-find an addressable loop of MX detectors and ancillary devices, without having to connect the loop to a fire panel. The loop tester is connected between the loop and a PC. Fast processing is used to detect alarms and faults very quickly, Up to 1,000 events are stored in a history buffer in the MX Loop Tester and these can be displayed using the laptop at the completion of testing. An automatic test sequence can be conducted by the MX Loop Tester to identify all devices on the loop, and confirm they are working properly.



The MX Loop Tester can provide up to 1A of MX Loop current so it is possible to carry out full load tests and support multiple high current devices operating simultaneously. MX Loop Tester allows parts of a system to be commissioned and handed over before the panel is installed. It also provides a printout as evidence that the loop is fully functional at the time of commissioning.