

AC2000 Minerva MX Fire/MOXA Panel Interface

Tyco Minerva MX Range of Fire Panels



Features That Make a Difference:

- Activated alarms shown instantly within AC2000 Security Hub module; Minerva panels sensors/icons placed on AED Maps
- Fire alarms reported instantly on AC2000 Security Hub application for central monitoring
- Convenient and easy to integrate with existing AC2000 installations
- Support for MX Speak protocol via external MX BACnet Converter
- Graphical representation of current states for MX Components: Points, Zones and Panels
- MX Component state changes displayed as Alarms and Events

The AC2000 interface to the Tyco Minerva MX Range of Fire Panels enables alarms or events generated for MX Panels, Sensors and Zones to be fully integrated with the AC2000.

The AC2000 Minerva MX Fire Interface enables AC2000 to act as the central Security Management System (SMS) and provides a fully integrated interface for monitoring and reporting building security events.

Through the AC2000 Minerva MX Fire Interface these alarms and events can be displayed in a single alarm screen in the central AC2000 Security Hub application.

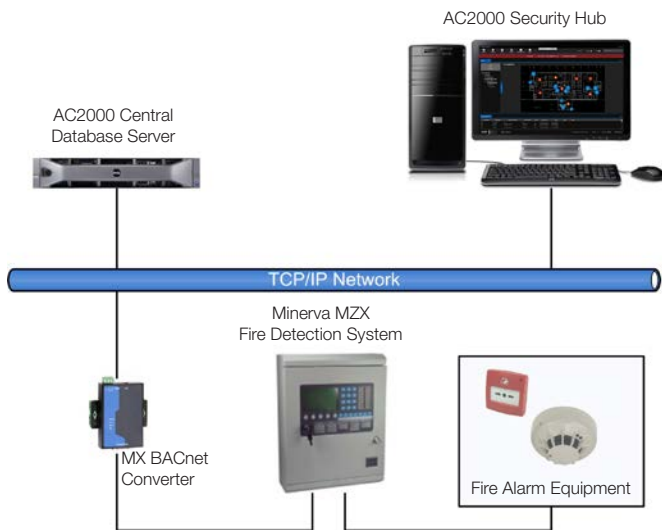
AC2000 Minerva MX Interface enables uni-directional communication allowing the AC2000 system to receive alarms from the Minerva MX Range Fire Detection System consisting of a network of up to 99 Fire Panels – each one controlling sets of Points and Zones:

- Points are individual Sensors and Call-Points used to detect and report fire. Up to 250 sensors may be connected to each loop and up to 8 loops may be supported, leading to a maximum of 2000 points supported per panel.
- Zones are groups of Points, usually located within the same physical area. Each type of fire panel supports different number of Zones up to the maximum of 240 Zones.



How does AC2000 MX Fire Interface work?

Data coming from the Minerva MX Fire Panels is communicated through the MX Panel network using Minerva's MX Speak protocol. Through the use of a specially programmed converter unit, messages in the MX Speak format can be converted to BACnet Change-of-Value (COV) Notifications. These are then processed through the AC2000 BACnet Interface. The MX-BACnet Converter module is capable of understanding the MX Speak protocol v3.x, v4.x and v5.x.



MX Fire Panel Configuration

MX Fire Panels should be interfaced to the TCP/IP LAN using a programmed MX Speak / BACnet Converter and configured for the MX panel network to be used on the same network as the AC2000 CDC access control server.

MX Fire Detection System panels transmit data in native MX Speak protocol. A single MX BACnet device will convert and transmit MX Speak panel alarms over Ethernet. AC2000 receives the BACnet alarms over TCP/IP for processing and display on the AC2000 Security Hub workstation.

Ordering Information

Product Code	Description
SWFIRE-MX	AC2000 Minerva MX Fire Panel

To order contact cem.sales@tycoint.com or call +44(0) 2890 456 767.

Related Products



AC2000
AC2000 Airport

Ease of Configuration

Using the MxCfgImport tool on the AC2000 server the MX Panel configuration can be easily imported into the AC2000 database from the configuration file used to setup the MX Speak - BACnet converter module. After this the Panels, Zones and Points can be placed onto the AC2000 Security Hub maps.

With no additional software or hardware required and an easy to use Security Hub configuration, the AC2000 Minerva MX Interface is an ideal choice for integrated building safety and security systems.

Central Alarm Management

Fire Alarms are sent to the AC2000 Security Hub application where they can be acknowledged directly via the AC2000 access control server. Fire icons can be placed onto the Security Hub graphical maps alongside access control readers and camera locations.

Alarms are received, processed and reported on the AC2000 Security Hub application for central management by security personnel.

Activate External Systems

Fire alarms can be configured to activate other systems such as a CCTV matrix, or can be used to cause video images to be recorded on a compatible digital video management system (DVMS).

Requirements

- Security Hub and Video Viewer available from AC2000 v7.1 Service Pack 1 upwards
- AC2000 v7.0 and higher
- AC2000 Airport v7.0 and higher
- AC2000 Security Hub
- MX BACnet Converter (MOXA UC-7101)
- Minerva MX Range Fire Panels (Compatible with Minerva Fire Panels supporting the MX Speak Protocol v3.x, v4.x & v5.x)

Please note: Minerva MX panels on different networks will require an additional BACnet/IP Broadcast Management Device (BBMD) router that can be configured on each subnet. This will allow forwarding of received broadcast BACnet messages to the BBMD router on other subnets.