

# AC2000 Minerva MX Fire Interface

Tyco Minerva MX Range of Fire Panels

## FEATURES

### OVERVIEW

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 SE (Standard Edition) security management system.

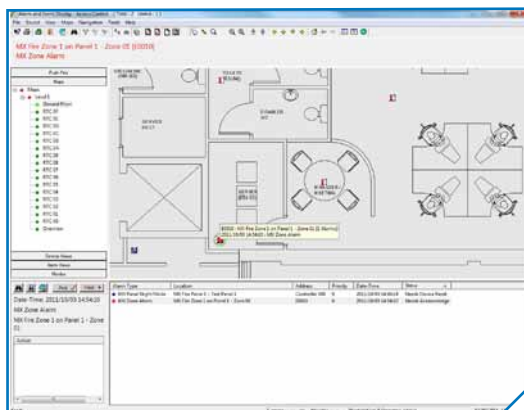
Through the AC2000 Minerva MX Fire Interface these alarms and events can be displayed in a single alarm screen in the central AC2000 Alarm and Event Display (AED) application.

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:

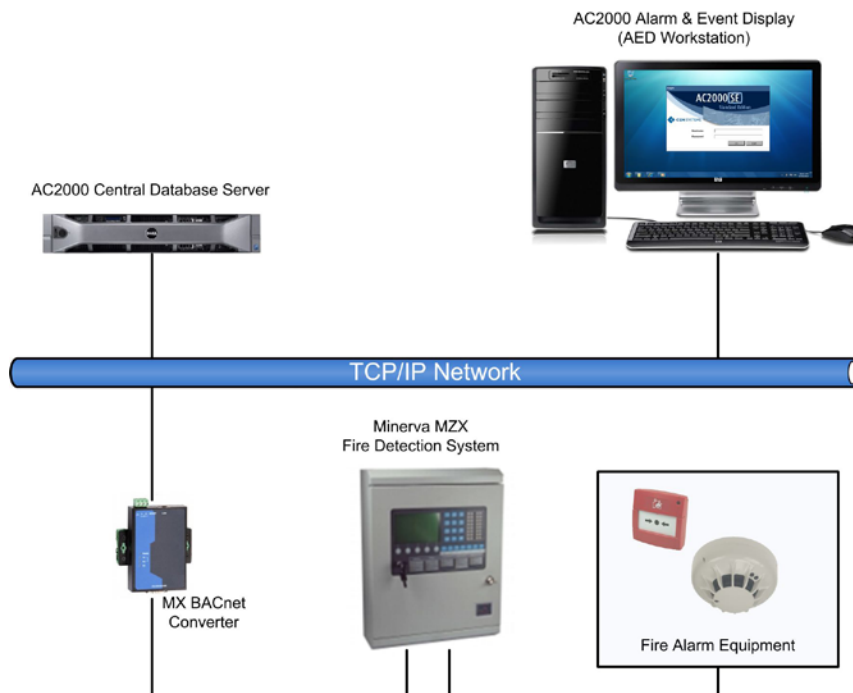
Points are individual Sensors and Call-Points used to detect and report fire. Up to 250 sensors may be connected to each loop and up to 8 loops may be supported, leading to a maximum of 2000 points supported per panel.

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.

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



- Seamless integration of AC2000 SE (Standard Edition) software with the Tyco Minerva MX Range of Fire Panels
- Activated alarms shown instantly within AC2000 AED (Alarm & Event Display) module – Minerva panels sensors/icons placed on AED Maps
- Fire alarms reported instantly on AC2000 AED application for central monitoring
- Convenient and easy to integrate with existing AC2000 installations
- Support for MX Speak protocol version 3.x, 4.x and 5.0/5.1 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

**PRODUCT HIGHLIGHTS**


### How does AC2000 MX Fire Interface work?

Data coming from Minerva MX Fire Panels is passed through a BACnet Converter and then transmitted as BACnet Change-of-Value (COV) Notifications.

The AC2000 Minerva MX Fire Interface supported device types are the MX Fire Panel, MX Fire Zone and MX Fire Sensor and their corresponding alarms such as Fault, Out-of-Service, Panel Alarm, and Sounder Activity. These alarms are sent to the AC2000 AED (Alarm and Event Display) application where they are displayed visually and can be centrally acknowledged and monitored.

### 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 Ethernet for processing and display on the AC2000 AED workstation.

### Ease of Configuration

Using the Minerva MX Fire Interface requires no additional software add-ons. Fire alarm configuration occurs straight from the AC2000 AED application. With no additional software or hardware required and an easy to use Alarm and Event

Display 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 AED application where they can be acknowledged directly via the AC2000 access control server. Fire icons can be placed onto the AED graphical maps alongside access control readers and camera locations. Alarms are received, processed and reported on the AC2000 AED 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).

### Minimum Requirements

- AC2000 SE v6.3 software and upwards
- AC2000 Alarm & Event Display
- MX BACnet Converter (MOXA UC-7101)

### Supported Products

- Minerva MX Range Fire Panels (Compatible with MXZ-125 Fire Panel and MOXA UC-7101 BACnet Converter)

### Product Code

- SWFIRE-MX

Product specifications and availability is subject to change without notice. Certain product names mentioned herein may be trade names and/or registered trademarks of their companies.