CEM SYSTEMS

From Tyco Security Products

AC2000
FireClass Interface

Features that make a difference:

- Activated alarms shown instantly within AC2000 Security Hub module; FireClass panels sensors/icons placed on Security Hub Maps

- Fire alarms reported instantly on AC2000 Security Hub application for central monitoring

- Convenient and easy to integrate with existing AC2000 installations

- Communication with FireClass network via FireClass BACnet Converter

- Graphical representation of current states for FireClass components: Points, Zones and Panels

- FireClass component state changes displayed as Alarms and Events

The AC2000 FireClass 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 FireClass Interface these alarms and events can be displayed in a single alarm screen in the central AC2000 Security Hub application.

The AC2000 FireClass Interface enables uni-directional communication allowing the AC2000 system to receive alarms from the FireClass Range Fire Detection System consisting of a network of up to 50 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 4 loops may be supported, leading to a maximum of 1000 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.

Ease of Configuration

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

With an easy to use Security Hub configuration, the AC2000 FireClass Interface is an ideal choice for integrated building safety and security systems.
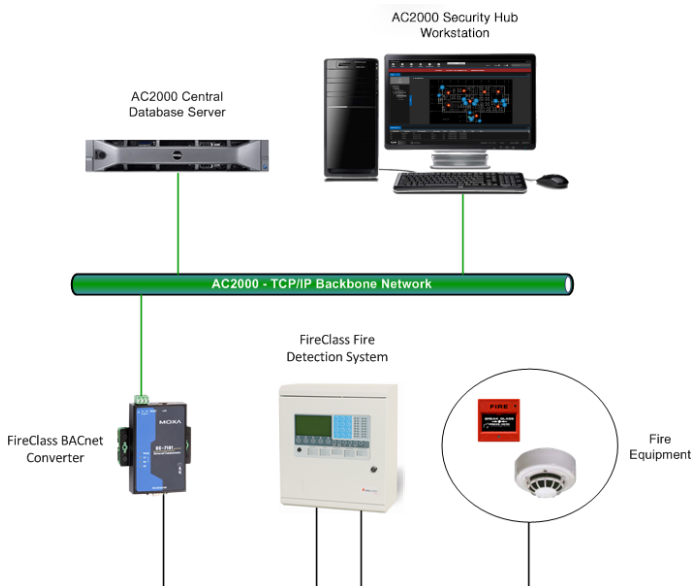
How does the AC2000 FireClass Interface work?

Data coming from the FireClass Fire Panels is communicated through the FireClass panel network. Through the use of a specially programmed converter unit, messages can be converted to BACnet Change-of-Value (COV) Notifications. These are then processed through the AC2000 BACnet Interface.

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.

AC2000 Security Hub
Workstation

AC2000 Central
Database Server

AC2000 - TCP/IP Backbone Network

FireClass Fire
Detection System

FireClass BACnet
Converter

Fire
Equipment

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).

FireClass Fire Panel Configuration

FireClass Fire Panels should be interfaced to the TCP/IP LAN using a programmed FireClass to BACnet Converter and configured for the FireClass panel network to be used on the same network as the AC2000 CDC access control server. FireClass Fire Detection System panels transmit data using a native protocol. A single FireClass BACnet device will convert and transmit panel alarms over Ethernet, supporting up to 2000 fire points per Moxa device. AC2000 receives the BACnet alarms over UDP/IP for processing and display on the AC2000 Security Hub workstation.

Requirements

- Security Hub and Video Viewer available from AC2000 v7.1 Service Pack 1 upwards
- AC2000 v7.0 software & upwards
- AC2000 Airport v7.0 software & upwards
- AC2000 Security Hub
- AC2000 FireClass Interface License
- FireClass BACnet Converter (MOXA UC-7101)
- FireClass Range Fire Panels

Ordering Information

Product Code	Description
SWFIRE-FCLASS	AC2000 FireClass Interface License

Related Products

AC2000
AC2000 Airport

www.cemsys.com