CSimon FIRE PROTECTION SYSTEM

CSimon not only delivers cutting edge analog addressable fire detection and control, but it also integrates seamlessly with 3rd party devices as well as Computrols' legendary CBAS software. Each CSimon panel boasts an on-board high-speed TCP/IP network connection, complete stand-alone operation, and a powerful yet simple user interface. Just like the rest of your building automation system, you can use the reliable and mature CBAS software for all of your programming and monitoring. Why shouldn't your fire system be as easy to operate and maintain as the rest of your building automation?

Product Highlights

Operating System

The operating system is based on Computrols' well-known CBAS, and the system is programmed via a user-friendly computer-based CBAS programming system.

Master Control Unit

The Master Control Unit (MCU) serves as a basic information and control center for standard operator functions. The user interface consists of a 320x64 graphical LCD with an enhanced soft-touch keypad and provides both system operation and troubleshooting functions. An RS-232 port provides supervised output to a UL864 listed printer. The system has dual switching power supplies for reliability and a built-in microcontroller-based adaptive battery backup system that maintains sealed lead-acid batteries up to a 55 amp-hr capacity. The MCU supports 5 SLC cards. Each SLC card supports 1 class A SLC circuit or 1 Class B SLC circuits.

Auxiliary Unit

Every CSimon system can be expanded by adding up to 16 auxiliary units, each of which provides the same capabilities as the MCU.

Alarm Verification

The alarm verification feature is programmable for all smoke sensors. This allows smoke sensors that are installed in noisy or smoke prone environments to distinguish between false and real alarms. In the event the sensor alarms, the system will enter an alarm verification interval. If there are no more alarms within the alarm verification interval, the circuit or device will then automatically reset.

Walk Test

The walk test feature is performed on a signaling line circuit or zone basis and enables testing of the system by a single person. While in walk test, service technicians can manually produce alarms and trouble signals, thereby verifying their operation without triggering alarm sequences and disturbing tenants.

Drift Compensation

The CSimon fire panel continuously monitors all installed analog smoke sensors and identifies any that fall outside of specified parameters. The drift compensation software is built into the smoke sensors and overcomes effects of aging or environment on sensor sensitivity, providing a dependable alarm threshold. Sensors automatically change sensitivity with time-of-day to be "matched" to their real-life environment.

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Specifications

User Interface	» 320x64 backlit multilingual graphic display » 4x4 enhanced soft-touch keypad
UL Certification	Meets UL864 Ninth edition requirements (UL File No. S4920)
Sensor Details	» Uses sensors with built-in drift compensation to overcome effects of aging or environment on sensor sensitivity. » System flags “Dirty” and “Out of Spec” sensors » Day/night sensor sensitivity setting
Signaling Line Circuits	» Can be operated in Class A or Class B modes. » Power-limited with rapid electronic sensing of abnormal conditions » Signaling line and communication circuits are surge protected to UL864 Ninth Edition requirements
Alarm Verification	Analog sensor
Power Reliability	» Dual switching power supplies » Built-in Battery backup system with microcontroller-based adaptive charger and battery diagnostics » Real-time monitoring of battery voltage and charge/discharge current
Data Safety	Non-volitile data storage
Output Connections	» RS-232 serial output available » Ethernet output available for secondary monitoring and setup » RS-485 output for communication with auxiliary panels and other Computrols devices

Parts and Accessories

Part Number	Description
CSimon-AA	A: Apollo devices (only) A: Class A SLC Circuits
CSimon-AB	A: Apollo devices (only) B: Class B SLC Circuits
CSimon-SA	S: Edwards, FCI, Fire-Lite, Honeywell & Notifier devices (only) A: Class A SLC Circuits
CSimon-SB	S: Edwards, FCI, Fire-Lite, Honeywell & Notifier devices (only) B: Class B SLC Circuits