SIEMENS

FireSeeker Model FS-250C

Addressable Fire Alarm Control Panel

ENGINEER AND ARCHITECT SPECIFICATIONS

- One intelligent signaling line circuit (DCLB + DCLA)
- SureWire Polarity insensitive loop wiring
- Utilizes S-Series detectors and devices
- Supports up to 252 addressable inputs and signal/relay outputs
- Devices operate on standard wire, no twist or shield required
- FirePrint application specific fire detection
- 4 Class B/2 Class A signal circuits
- Up to 6 amps of signal power
- Built in strobe synchronization protocol
- One man walk test (silent or audible)
- 80 Character backlit LCD display & 20 Zone/4 signal circuit LED annunciation on Front Panel
- Optional internal DACT capable of transmitting point or group information
- Programmable from front keypad or Windows based PC configuration tool
- Single stage and 2-stage operation
- Alarm, pre-alarm, supervisory, trouble
- Auto program feature makes system start-up faster
- Maintenance and technician level passwords
- (ULC) ULC Listed

The FS-250C addressable fire alarm control panel is a small, low cost fire alarm panel suited for stand-alone operation in small to medium sized facilities. It features a single addressable input device circuit and four notification appliance circuits. The FS-250C is ULC Listed.

Main System

The FS-250C indicates alarm, trouble and supervisory conditions with an 80 character backlit LCD display, as well as a 20 zone/4 signal LED annunciator that is built in to the Front Panel. Acknowledge, alarm silence and system reset are accomplished with built-in membrane control buttons. Basic user and maintenance level functions such as viewing history or system enable/disable are also accomplished through the membrane control buttons. Password protection of maintenance level functions is present. The main system can charge up to 32 AH battery sets, up to 12 AH will fit inside the enclosure.

The basic FS-250C features a single addressable signaling line circuit (Class A or B) capable of supporting up to 252 addressable input devices, whether they are detectors, manual pull stations, or contact monitoring points. Each

detector can also have an optional audible detector base, relay detector base, or remote lamp associated with it. These auxiliary devices are completely controlled through logic and are not required to activate simultaneously with the detector. The system also has four class B or 2 class A Notification Appliance Circuits built into the main board. Each circuit has a capacity of 1.5 amps of 24 VDC for powering horns, strobes, chimes, and other notification appliances. The total base system capacity for the four circuits in 3.0 amps and can be expanded to 6A. Each signal circuit is fully programmable and supports standard and custom coded outputs of audible devices. Systems can be configured to sound different codes on the same signal circuit to indicate different conditions.

The FS-250C has four Form C relays on the main board for monitoring alarm, pre-alarm, supervisory and trouble conditions. Each relay is rated at 1 amp @ 28VDC. Auxiliary 24VDC power is also available on the main board, with a capacity of up to 0.4 amps.

CATALOG NUMBER **4306C**

The Loop

The FS-250C utilizes the advanced CX-2 protocol for the detection circuit. The CX-2 loops features include SureWire™ technology providing, 252 addresses (inputs AND outputs), polarity insensitivity, response time under 3 seconds, retrofit installations using almost any type of wire (shielded, non-shielded, twisted, etc.)

You can install an FS-250C using any of the S-series CX-2 devices including the SFP-11 FirePrint™ detector. But we also offer a new low-cost SFPO-11 detector that is a non-FirePrint photoelectric device for the less-demanding, more cost-competitive applications.

If you require two detector accessories, such as a relay or audible base AND a remote lamp, you can install the new ILED-SC or ILED-SW Intelligent Remote L.E.D. that can be programmed to mimic the detector L.E.D. or can respond to panel logic (see ILED installation or catalog sheet for details.)

Optional Modules

Remote LCD Annunciator

The FS-250C supports a remote LCD display called the FS-RD2-C. This remote display uses the same 80 character backlit LCD display found on the main system panel. The FS-RD2-C communicates with the main system board via an RS-485 communication network. Up to 15 FS-RD2-C remote displays can be supported on a single FS-250C system. The FS-RD2-C mounts in a RD-CAB enclosure, and the plate on the display is suitable for flush mounting.

Remote LED Annunciator

The FS-250C also supports a 20 zone/4 signal circuit LED annunciator called the FS-RA-C. The FS-RA-C LED annunciator is capable of annunciating alarm, trouble and supervisory conditions for up to 20 zone/4 signal circuits. The FS-RA-C has buttons for reset, alarm silence and acknowledge, up to 15 FS-RA-C's may be added to a system. The FS-RD2-C mounts in a RD-CAB enclosure, and the plate on the display is suitable for flush mounting.

Digital Alarm Communicator Transmitter (DACT)

Communication between the FS-250C and a monitoring station is accomplished with the Model FS-DACT Digital Alarm Communication Transmitter. The FS-DACT supports two lines and four accounts and can transmit serial information by point to the Central or Remote station. Communication protocols available included SIA DCS 8, SIA DCS 20, Ademco Contact ID, 3/1 1400 Hz, 3/1 2300 Hz, 4/2 1400 Hz and 4/2 2300 Hz. The FS-DACT mounts within the FS-250C enclosure on an 8-pin connection point on the main board. No external enclosure is required and no wires are required between the panel and the dialer. Programming of account and dialing information is done as part of the system configuration. No external programmer for the dialer is required.

Programmable Relays

Programmable relays are available on the FS-250C. A remote processor board communicates with the main system board via an RS-485 communication network. This processor board controls a relay board mounted adjacent to it. The relay board has eight Form C relay contacts, rated at 1 amp @ 28VDC maximum. Mode l FS-RU relay unit contains one processor board and one relay board to add eight relays to an FS-250C system. Each processor board can support up to three relay boards simultaneously, for a total of 24 programmable relay per processor board. Additional relay extender boards are available as Model FS-RE8. A total of eight processor boards (including serial annunciator processor boards) can be supported simultaneously by the FS-250C. All programmable relay processors and modules can be mounted in a Model FS-AE accessory enclosure.

Programmable Serial Annunciator Drivers

Programmable serial annunciator drivers are available on the FS-250C. A remote processor board communicates with the main system board via an RS-485 communication network. This processor board controls a serial annunciator driver board mounted adjacent to it. The driver board has sixteen outputs for LEDs. All serial annunciator outputs are supervised. Model FS-SAU-2 serial annunciator unit contains one processor board and one serial annunciator driver board to add 16 LED drivers to an FS-250 system. Each processor board can support up to four additional driver boards simultaneously, for a total of 64 programmable serial annunciator drivers per processor board. Additional serial annunciator extender boards are available as Model FS-SAE 16. A total of eight processor boards (including relay processor boards) can be supported simultaneously by the FS-250C.

Programming/Configuration Options

Configuration of the FS-250C can be accomplished in two ways. The operator interface includes a 16 button keypad. This keypad can be used to configure all system parameters, including custom messages and logic, right at the panel with no other configuration tools. Alternately, the Model FS-CT2 configuration tool can be used on a laptop computer to upload, download and edit the system configuration. The Model FS-CT2 configuration tool includes a connection cable for use between the FS-250C and a 9-pin serial connection, and the FS-CT2 software. Use of the FS-CT2 software requires a computer running Windows 98, Windows 2000, or Windows XP. The FS-CT2 tool can be used to generate configuration reports and download and print history.

If an alarm or other system event occurs during system configuration, the event will cause the panel to annunciate the alarm and operate the appropriate outputs.

Custom messages for system addresses consist of two lines of twenty characters each. The characters include both upper and lower case letters as well as numbers, punctuation marks and control characters. This forty character custom message will be displayed for all events at that address.

TXL-1008K
Fire Alarm Control Panel

ENGINEERS AND ARCHITECTS SPECIFICATIONS

FEATURES

- 8 Class B (Style B) Initiating Circuits which may be configured as 4 Class A (Style D) Circuits.
- Expandable up to 24 Class B or 12 Class A Initiating Circuits
- 4 Class A/B (Style Z/Y) Indicating Circuits with individual trouble indicators (1.7 Amps max. per circuit)
- Each Indicating Circuit can be configured as Silenceable or Non-Silenceable. Audibles may be configured as Steady, Temporal Code, California Code or March Time
- Each Initiating Circuit can be configured as Alarm, Supervisory, Waterflow or Trouble
- Two LEDs per Initiating circuit; one for Trouble and one for Status
- Initiating and Indicating Circuits may be individually disconnected by a DIP switch
- Configurable Signal Silence Inhibit, Auto Signal Silence, Two-Stage Operation and One Man Walk Test
- Alarm Verification on Initiating Circuits
- Subsequent Alarm, Supervisory and Trouble operation
- Two outputs for 4 wire resettable smoke power supply (200 mA Max. each)
- Auxiliary relay contacts for Common Alarm and Common Supervisory as well as a Common Trouble
- Relay (Each relay contact Form C, 28 VDC @ 1 Amp (resistive)
- RS-485 Interface for RA-1000 Remote Multiplex Annunciators
- Interface for Remote Trouble Indicator
- Easy configuration via push buttons and DIP switches on the front panel
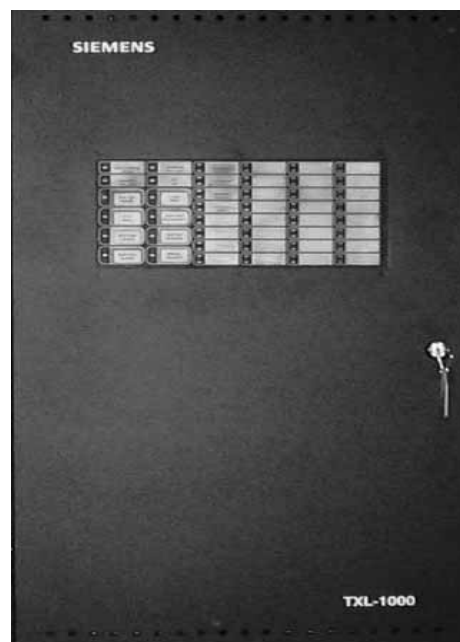
- Extensive Transient Protection
- 6 Amp Power Supply
- Removable door for easy installation and servicing
- ULC Listed

OPTIONAL FEATURES

- TDACT-100 Digital Communicator
- Polarity Reversal and City Tie Module
- Semi-Flush mounting available with use of optional trim ring (TXL-1024TR)

Description

The Siemens TXL-1008K Fire Alarm Control Panel is a microprocessor based unit designed for maximum flexibility and easy installation. Fully configurable from the front panel using the push buttons and DIP switches, it enables the user to configure the system to meet their specific requirements.

The TXL-1008K consists of one TMCC-1024-6 Main Chassis in a TBB-1024 Enclosure. The TMCC-1024-6 Main Chassis comes complete with 8 Class B (Style B) Initiating Circuits which may be configured as 4 Class A (Style D) Circuits. It can be expanded up to 24 Class B or 12 Class A circuits with the addition of the TDM-1008 Initiating Circuit Module. In addition it comes equipped with 4 Class A/B (Style Z/Y) Indicating circuits which are each rated at 1.7 Amps.

CATALOGUE NUMBER **10121**

Description

The Main Chassis also includes a 6 Amp Power Supply which powers the system and supplies two 4-wire resettable regulated smoke power supply of 24 VDC 200mA maximum each. The MCC-1024-6 also allows for the addition of two TSGM-1004 Signal Modules or two TRM-1008 Relay mdoules in place of the TDM-1008 Initiating Circuit Adder Modules. (Maximum of 3 Adder modules)

The cabinet is available in a beige colour. A Fire Retardant Lexan Window in the hinged door allows for viewing of the status LEDs. It comes with a durable CAT-30 lock and key. Space is provided for up to 17 AH Gel Cell batteries.

Application

The Siemens TXL-1008K is designed as an economical Microprocessor Based Fire Alarm Control Panel which is expandable up to 24 display points. Its modular design suits various applications. Ideal for applications such as small institutional and commercial buildings, shopping malls, offices and public establishments, the TXL-1008K is configurable to meet virtually all requirements.

The panel is designed to be easy in its installation, operation and maintenance. This makes the system cost effective and very reliable for its intended applications.

Ordering Information

| Model	Description	Part Number
Basic System Package		
TXL-1008K	Microprocessor Based Fire Alarm Control Panel expandable up to 24 display points. Includes TMCC-1024-6 Main Chassis complete with 8 Class B (Style B) or 4 Class A (Style D) Initiating Circuits, 4 Class A/B (Style Z/Y) Indicating Circuits, 6 Amp Power Supply and one TBB-1024 Black Enclosure. 500-547800	500-547800
TXL-1024TR	Semi-Flush Trim Ring	500-647827
Adder Modules		
TDM-1008	Eight Class B (Style B) or Four Class A (Style D) Initiating Circuit Module.	500-847811
TSGM-1004	Four Class A/B (Style Z/Y) Indicating Cct Module (Rated at 1.7 Amps per cct)	500-847812
TRM-1008	Eight Relay Circuit Module c/w eight Form C relays (Rated for 28 VDC @ 1 Amp. max. per relay)	500-847813
Auxiliary Modules		
TDACT-100	Digital Alarm Communication Transmitter/Dialer Module (Requires CFG-100)	500-847809
TPR-100	Polarity Reversal and City Tie Module.	500-847808
TCFG-100	Configuration and Diagnostics Tool for TDACT-100.	500-747830
Remote Annunciators		
TRAM-1032	Main Annunciator Chassis c/w Common Control Features, Indicators and 32 Bi-Coloured LEDs.	500-347822
TRAM-1016	Main Annunciator Chassis c/w Common Control Features, Indicators and 16 Bi-Coloured LEDs.	500-347824
TRAX-1048	Adder Annunciator Chassis c/w 48 Bi-Coloured LEDs.	500-347823
TBB-1001	Annunciator backbox with keylock door (Houses one module).	500-647820
TBB-1002	Annunciator backbox with keylock door (Houses two modules).	500-647821
TBB-1003	Annunciator backbox with keylock door (Houses three modules).	500-647825

TXL 1000
FIRE ALARM SYSTEM

ENGINEERS AND ARCHITECTS SPECIFICATIONS

Standard Features

- Large system capacity
- Modular design
- Each Indicating Circuit can be configured as Silenceable or Non-Silenceable
- Audibles may be configured as Steady, Temporal Code, California Code or March Time
- Each Initiating Circuit can be configured as Alarm, Supervisory, Waterflow or Trouble
- Two LEDs per Initiating circuit; one for Trouble and one for Status
- Initiating and Indicating Circuits may be individually disconnected by a DIP switch
- Configurable Signal Silence Inhibit, Auto Signal Silence, Two-Stage Operation and One Man Walk Test
- Subsequent Alarm, Supervisory and Trouble operation
- Two outputs for 4 wire resettable smoke power supply (200 mA Max. each)
- Auxiliary relay contacts for Common Alarm and Common Supervisory as well as a Common Trouble Relay (Each relay contact Form C, 28 VDC @ 1 Amp (resistive)
- RS-485 Interface for TRA-1000 Remote Multiplex Annunciators
- Interface for Remote Trouble Indicator
- Easy configuration via push buttons and DIP switches on the front panel
- Fully site or field programmable Indicating Circuits and Auxiliary Relays
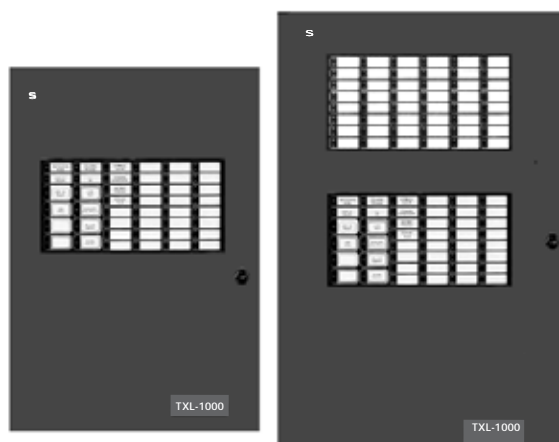
- Extensive Transient Protection
- Slide-in labels for zone identification
- 6 Amp or 12 Amp power supplies available
- Removable door for easy installation and servicing
- Removable terminal blocks for easy wiring and servicing
- ULC Listed

Optional Modules

- TUDACT-100 Universal Digital Communicator
- TDACT-100 Digital Communicator
- Polarity Reversal and City Tie Module
- Two sizes of Surface mounted cabinets
- Semi-Flush mounting available with use of optional trim rings

Description

Siemens ™ Series 1000 Microprocessor Based Fire Alarm Control Panels are Multi-Zone units designed for maximum flexibility and easy installation and operation. Fully configurable from the front panel using push buttons and DIP switches, the TXL 1000 enables the user to configure the system to meet their specific requirements. With a large capacity of supervised Class A (Style D) or Class B (Style B) Initiating Circuits and supervised Class A (Style Z) or Class B (Style Y) Indicating Circuits, the

TXL 1000 is designed to meet virtually all applications. The TXL 1000 consists of a Main Fire Alarm Chassis which houses and controls all other modules. Additional modules may be installed to configure the system to meet any requirements that the user may have. The TXL 1000 allows for additional Indicating Circuit, Initiating Circuit and Relay modules to be added to the system. In addition it allows for optional modules such as the TDACT-100 Digital

CATALOGUE NUMBER **10125**

Communicator and the TPR-100 Polarity Reversal / City Tie Module.

Equipped with Configuration DIP Switches on the Main Display Module the TXL 1000 Fire Alarm Control Panels are configured through a combination of DIP switch and button settings. Through this configuration method the user can define the system as a Single Stage or Two Stage operation as well as perform various functions such as a One Man Walk Test.

System Components
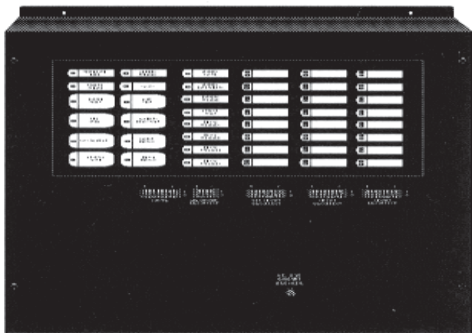
TMCC-1024-6

Main Chassis comes complete with 8 Class B (Style B) or 4 Class A (Style D) Initiating Circuits, 4 Class A/B (Style Z/Y) Indicating circuits, a common control and zone identification display board for up to 24 points and a 6 Amp Power Supply which charges 10-24 AH batteries. It is expandable with up to two adder modules of any type plus one of a TDACT-100 Digital Communicator or TPR-100 Polarity Reversal/City Tie Module.
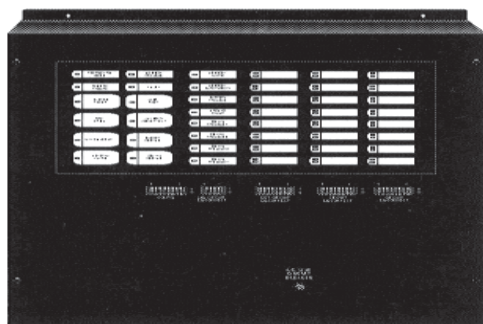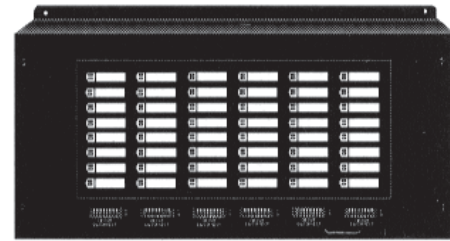

TMCC-1024-12

Main Chassis comes complete with 8 Class B (Style B) or 4 Class A (Style D) Initiating Circuits, 4 Class A/B (Style Z/Y) Indicating circuits, a common control and zone identification display board for up to 24 points and a 12 Amp Power Supply which charges 17-40 AH batteries. It is expandable with up to two adder modules of any type plus one of a TDACT-100 Digital Communicator or TPR-100 Polarity Reversal/City Tie Module.

TECH-1048

Expander Chassis provides space for up to six adder modules of any type. The chassis comes with expander cables to connect to the main chassis. Used only in the BB-1072 cabinet.

TRM-1008

8 Relay Circuit Module provides the Series 1000 system with 8 individual configurable relays per module. Each relay provides one Form C contact rated at 28 VDC @ 1 Amp (resistive load).

TDM-1008

8 Initiating Zone Module provides 8 Class B (Style B) or 4 Class A (Style D) Initiating Circuits configurable to Alarm, Supervisory, Waterflow or Trouble zones.

TSGM-1004

4 Indicating Zone Module provides 4 Class A/B (Style Z/Y) Indicating Circuits configurable as Silenceable or Non-Silenceable. Each Indicating Circuit is rated at 1.7 Amps.

TPR-100

Polarity Reversal & City Tie Module provides the system with a supervised City Tie (24 VDC/200 mA max.) and Polarity Reversal connection (24 VDC (open circuit), 8 mA max. (shorted).

TDACT-100

Digital Alarm Communicator Transmitter/Dialer Module allows the TXL 1000 to use a phone line to call a Central Station and report an Alarm, Trouble or Supervisory condition. It uses the Ademco Contact ID and SIA-DCS protocols.

TUDACT-100

Digital Alarm Communicator Transmitter/Dialer Module allows the TXL 1000 to use a phone line to call a Central Station and report an Alarm, Trouble or Supervisory condition per zone. It uses the Ademco Contact ID and SIA-DCS protocols.
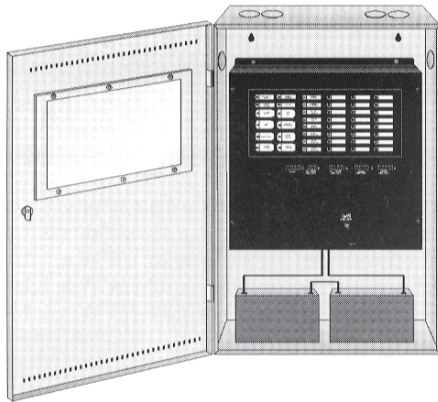
TBB-1024

This enclosure is capable of handling one TMCC-1024-6 or TMCC-1024-12 Main Chassis and up to 17 AH Batteries. The TXL-1024TR Semi-Flush Trim Ring is required for flush mounting. The cabinet features a lock and a removable door for easy installation and servicing. The cabinet is available in a black colour.
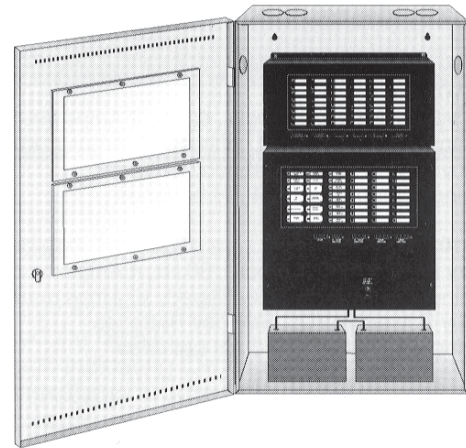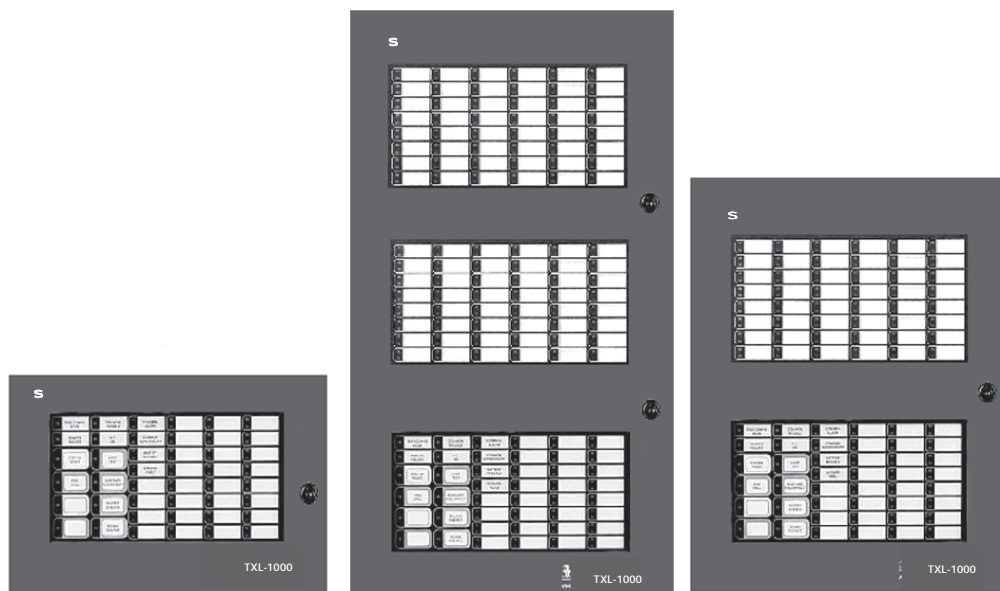
TBB-1072

This enclosure is capable of handling one TMCC-1024-6 or TMCC-1024-12 Main Chassis and one TECH-1048 Expander Chassis as well as up to 40 AH Batteries. The TXL-1072TR Semi-Flush Trim Ring is required for flush mounting. The cabinet features a lock and a removable door for easy installation and servicing in a black exterior.

The TRA-1000 Series Remote Multiplex Annunciators

The TRA-1000 Series Remote Multiplex Annunciators have been designed to compliment the TXL 1000 Fire Alarm Control Panels. Comprised of four chassis models, the TRA-1000 Annunciators provide a large capacity of annunciation (up to 224 display points). The TRA-1000 Series Remote Multiplex Annunciators consist of sealed membrane-like buttons and LED indicators which are automatically configured to match the TXL 1000 Fire Alarm Control Panel configuration. The TRA-1000 Series come standard with Bi-Coloured LEDs to annunciate Alarm or Supervisory points. Each display point comes with slide-in labels for point identification. Three annunciator enclosure backboxes are available. The enclosures are available in a black colour.

SIEMENS

FireFinder XLS

FireFinder XLS Fire Alarm Control Panel

ENGINEER AND ARCHITECT SPECIFICATIONS

- Standard 2500 addressable point capacity system
- Networkable to other FireFinder XLS systems
- Powerful, easy-to-use programming capabilities
- Fully Field Programmable Via Windows Laptop Computer
- 6" Backlit LCD display
- User-friendly system interface
- Touch screen for maintenance operations and function keys
- Multi-Language Display
- Universal AC power input - 120/240VAC, 50/60Hz
- 12 amps of system power, expandable to 48 amps
- Numerous Relays - alarm, trouble, programmable…
- SureWire addressable loop technology
- Polarity insensitive detection circuits (Patented)
- Useful diagnostic LEDs on all cards
- Supports FirePrint application specific detection
- Security Device Monitoring
- Sprinkler Supervision
- Intelligent/Analog Detection Circuits, style 6 (Class A) or Style 4 (Class B)
- Detector Sensitivity Readout/Printout per NFPA 72
- Degrade mode operation
- Distributed Processing
- Supervised Remote Printer
- 32 Character Custom messages

- Multiple Command Stations
- Menu Driven Operator Commands
- 5000 Event History Logging with On Line & Off Line Reports
- User Help Screens
- Multiple Levels of Password Protection
- Automatic Environmental Compensation for Smoke Detectors
- Alarm verification by Device or Zone
- Logic Controlled Output Functions
- Time Based Controlled Output Functions
- Holiday Schedule
- City Tie/Leased Line
- Coded Outputs
- 200 notification appliance circuits capacity
- Up to 4.0 amps (24VDC) per NAC
- Built-in strobe synchronization protocol
- Supports Pre-Action, Deluge and agent releasing
- Voice evacuation system optional
- Modular assembly
- NEC 760 Power Limited Circuits (UL 864 Compliant)
- Intelligent Interface to Building/Process Management Systems
- Operates as Interactive Peer with other XLS or XLSVs in a XNET network
- Pre-Alarm Operation
- Supports Single Person Test, "Walk Test"
- NCCG Graphics support

- UUKL Listed for Smoke Control
- UL, ULC Listed, FM, CSFM, & NYMEA Approved

Introduction

FireFinder XLS is a microprocessor based advanced life safety system. Its 6" display and large lighted buttons makes it the most intuitive fire alarm user interface in the industry. Its use of the unique multiprocessor "Network" design along with its ability to utilize both analog and conventional detection devices make it an extremely flexible and configurable life safety system.

The XLS is ideally suited for commercial, institutional and industrial fire detection and notification applications. It complies with the requirements of NFPA Standard 72 and is listed by Underwriters Laboratories under their standard UL-864. Underwriter's Laboratories of Canada also lists it for fire applications under ULC-S527. It is approved by

Factory Mutual as well as CSFM and NYMEA for use in those specific locales.

In addition to the standard fire applications, XLS is listed by Underwriters Laboratories under the category UUKL for smoke control. XLS can be used as a listed Fireman's Smoke Control Station in high-rise office buildings, malls and other large structures.

XLS is listed by UL and approved by FM for releasing Halon 1301, Sinorix clean agent systems and pre-action or deluge sprinkler systems. These include foam or water applications. XLS follows the releasing requirements specified in the NFPA 12 Standards 12A, 13 and 2001.

Description

The basic XLS control unit consists of the following subassemblies: PMI Person Machine Interface; PSC-12 Power Supply; DLC Device Loop Card; ZIC-4A Zone Indicating Card; CC-5 Card cage; ID-SP Inner Door Blank Single Plate; CAB-1, CAB-2 or CAB-3 enclosures. Optional modules that can be installed with the XLS System include: CC-2 Card Cage; NIC-C Network Interface Card; ZIC-8B/ZIC-2C Zone Indicating Card 8 circuits; CRC-6 Control Relay Card; OCM-16 Output Control Module; SCM-8 Switch Control Module; LCM-8 LED Control Module; FCM-6 Fan Control Module; SIM-16 Supervised Input Module; PSX-12 Power Supply Extender; RNI Remote Network Interface; RPM Remote Printer Module; SSD System Status Display; MDACT Multi-Point Digital Alarm Communicator; REMBOX2 Two Module Remote Enclosure; REMBOX4 Four Module Remote Enclosure.

The XLS panel is compatible with a full line of intelligent initiating devices highlighted by the FirePrint Application Specified Detectors, models HFP-11 and HFPT-11. It is also compatible with the NCC series of graphics command centers.

PMI Person Machine Interface

PMI Person Machine Interface

The Person Machine Interface is the heart of the FireFinder-XLS system. The PMI serves as both operator interface and central microprocessor for the system. From the PMI the user can acknowledge events, control the system notification appliance circuits and reset the system. Detailed information about the nature and location of the events can also be displayed.

The PMI contains the site-specific program configuration - created in the Zeus tool. The controller in the PMI provides all system logic and supervision.

The PMI contains a large 6" (1/4 VGA) monochrome LCD display, touch screen and LED's for displaying system status. An audible sounds when there are unacknowledged events on the PMI. The display is surrounded by keys that are used to control the displayed information and to navigate through these screens. Keys are also provided to obtain "Help" and to enter into the menu features of the PMI.

The FireFinder system is controlled and operated from the PMI. The intuitive person machine interface uses large lighted buttons to prompt users as to the next correct system operation that is available (Acknowledge, Silence, Unsilence Audible or Reset).

DLC Device Loop Card

DLC Device Loop Card

The DLC Device Loop Card is the interface for connection with FireFinder XLS detectors and initiating devices including manual stations, control and input devices. The DLC plugs into one slot of the CC-2 or CC-5 card cage. Programming the DLC is accomplished using the FireFinder XLS Zeus configuration tool. The DLC takes one address on the network and communicates with two device circuits with a total of up to 252 detectors and devices. The DLC has 12 LEDs for diagnostic purposes and provides ground fault detection and zone isolation circuitry.

ZIC-4A Zone Indicating Card

ZIC-4A Zone Indicating Card

The Zone Indicating Card ZIC-4A provides four fully supervised programmable output circuits for use on the FireFinder XLS Fire Alarm Control Panel. The ZIC-4A supplies four Class B (Style Y) or Class A (Style Z) type output circuits, power limited to 4.0 amps maximum per circuit. Each circuit can be independently programmed for use with listed audible or visual notification appliances, listed emergency audio speakers, municipal tie boxes, leased lines, or as releasing circuits. The ZIC-4A plugs into one slot in the CC-5 or CC-2 Card Cage, and has on-board LEDs for system status and troubleshooting. Indication of power, communication, internal operation, and ground fault conditions are provided, as well as indication of circuit activation or trouble conditions.
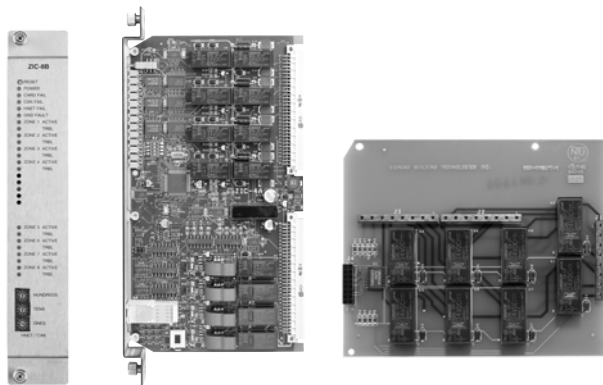
ZIC-8B/ZIC-2C

ZIC-8B/ZIC-2C

The Zone Indicating Card ZIC-8B provides eight fully supervised programmable output circuits for use on the FireFinder XLS Fire Alarm Control Panel. The ZIC-8B supplies 8 Class B (Style Y) type output circuits, power limited to 2.0 amps maximum per circuit. Each circuit can be independently programmed for use with listed audible or visual notification appliances, or listed emergency audio speakers. The ZIC-8B plugs into one slot in the CC-5 or CC-2 Card Cage, and has on-board LEDs for system status and troubleshooting. The ZIC-2C mounts directly on the ZIC-8B, and allows each of the ZIC-8B output circuits to be used for 2-channel voice applications. Indication of power, communication, internal operation, and ground fault conditions are provided, as well as indication of circuit activation or trouble conditions.

NIC-C

NIC-C

The Model NIC-C Network Interface Card provides HNET or XNET network communications between enclosures. In addition to the HNET or XNET communication the NIC-C provides CAN network communication within an enclosure or external to the enclosure. The HNET or XNET can be wired Style 4 or Style 7. The CAN network can be wired Style 4 only.

When the NIC-C is used for HNET communications it provides communication between enclosures on a single system.

When the NIC-C is used for XNET communications it provides communication between systems. The maximum of XNET NIC-Cs on a single system (single node) is one, for a total of 64 XNET NIC-Cs on a Peer-To-Peer Networked System.

The NIC-C Card has diagnostic LEDs that indicate Card Fail, CAN Fail, HNET Fail, XNET Fail, Ground Fault, Loop A Fail and Loop B Fail, as well as LEDs to indicate Power, Style and Active Networks.

HLIM Line Isolator Module

HLIM Line Isolator Module

The HLIM loop isolator module provides short circuit protection on FireFinder XLS intelligent device circuits (DLC). When a short is detected by the HLIM, it isolates the affected segment of the circuit, allowing the remaining devices to continue operation. The HLIM is self-restoring, automatically reconnecting to circuit segment when the fault is removed.

It can be wired in either a Style 4 or Style 6 configuration.

The HLIM does not occupy a device address on the DLC circuit and requires no programming. Up to fifteen HLIMs may be installed on each DLC loop.

HCP

HCP

The HCP provides an intelligent control point for the FireFinder XLS Control Panel. The HCP can be programmed as an independent, remotely located tele-phone zone, speaker zone or notification appliance circuit. The HCP is designed to be used with the Siemens Fire Safety notification appliance product line.

The HCP communicates through the DLC analog loop and can be wired either Class A (Style Z) or Class B (Style Y). The 24 VDC power input comes from either the control panel or from any UL listed power limited, auxiliary power supply.
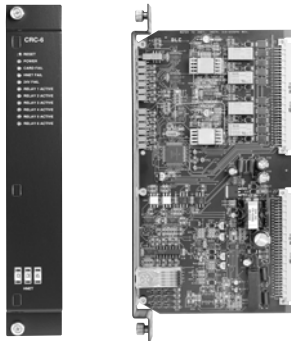
CRC-6 Controllable Relay Card

CRC-6 Controllable Relay Card

The Controllable Relay Card (Model CRC-6) is used with the FireFinder XLS Fire Alarm Control Panel. It is designed to provide auxiliary control of building functions such as door holder release, elevator capture, smoke control, lock release, etc. The CRC-6 plugs into one slot in the CC-5 or CC-2 Card Cage. It provides six fully programmable relays. Each relay contains one set of SPDT contacts rated at 4 Amps 30 VDC/120 VAC resistive and 3.5 amps 120 VAC inductive (0.6 P.F.).

SIM-16 Supervised Input Module

SIM-16 Supervised Input Module

The SIM-16 Supervised input Module is a remotely located, general-purpose input module. It provides sixteen input circuits for remote system monitoring. Each input can be individually programmed as supervised (dry contact only) or unsupervised (general purpose input.) The SIM-16 has two Form C relays. The relays and inputs are programmed using the Zeus system programming tool.

CDC-4

CDC-4

The Model CDC-4 Conventional Detector Card is used to monitor Siemens Fire Safety conventional detectors on the FireFinder XLS system. The CDC-4 can be used in applications where conventional detectors are more suited than addressable detectors, like hallways or large meeting
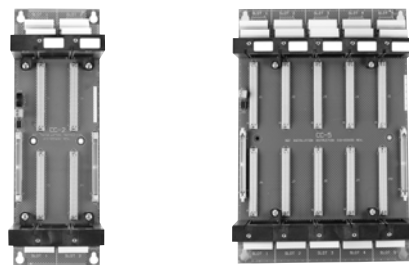
rooms. Also, the CDC-4 can be used to upgrade Siemens conventional fire alarm panels to the FireFinder XLS system without requiring detector replacement.

CC-2 Card Cage-2 Slots   **CC-5 Card Cage-5 Slots**

CC-5/CC-2 Card Cages

The CC-5/CC-2 card cages provide the physical mounting location and all wiring connection points for all fire and voice system options cards for the FireFinder-XLS system. The CC-5 has 5 slots and the CC-2 has two slots.

All cards plugged into the CC-5/CC-2 card cage communicate with other FireFinder-XLS modules via a common data bus. Connectors are provided on the left & right side of the CC-5 to connect a (60) pin cable for communications with the FireFinder-XLS's operator interface, power supplies and amplifiers modules.

All field wiring to devices and circuits terminates on the CC-5/CC-2 card cage. All cards designed for use with the CC-5/CC-2 route their field wiring terminations to the "top" of the CC-5/CC-2. These connections are all power limited. Internal wiring connections distribute 24VDC to cards or high level audio signals (depending on application used) connect to the "bottom" of the CC-5/CC-2. These connections are all non-power limited.

All wiring connections to the CC-5/CC-2 are to removable terminal blocks. Terminal blocks are rated for use with wire sized 12AWG to 24AWG. Each connector is numbered to make wiring terminations to the correct position on the terminal block simple and reduce the potential for wiring errors.
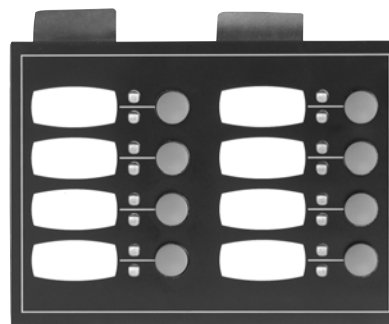
SCM-8

SCM-8 Switch Control Module

The SCM-8 is a FireFinder XLS option module which provides manual control of the Emergency Voice Evacuation System or manual fire system control. Each SCM-8 module provides eight momentary pushbutton switches and 16 LED's to indicate their status. Each switch is assigned two LED's and a label to indicate the switch's

programmed usage. The label slides behind a clear protective membrane. One of the LED's assigned to each switch is a dual color LED used to indicate what type of signal is active.

Each SCM-8 and each switch is fully programmable and may be used to control speaker circuits, and a wide range of general system functions such as All Call, All Evac, Warden's Page, Speaker, etc. Any number of circuits may be grouped and controlled by a single switch. Switch usages and zone groupings are assi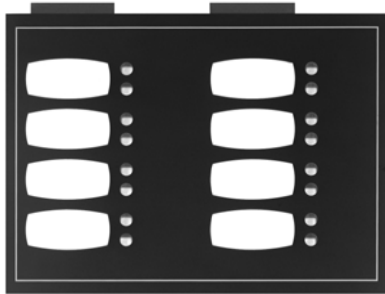gned using the ZEUS system programming software. The SCM-8s are mounted on a hinged panel as a part of the FireFinder XLS Command Console enclosure.

LCM-8

LCM-8 LED Control Module

The LCM-8 is an FireFinder XLS option module which provides LED annunciation of system activity. Each LCM-8 module contains eight groups of 2 LED's, each of which can be assigned to desired outputs using the ZEUS programming software. Eight LED's are dual color capable of being lighted either RED or GREEN flashing or steady. The remaining LED's are AMBER flashing or steady. A space is provided for labeling of LED functions. The label slides behind a clear protective membrane. The LCM-8 dimensions are identical to the SCM-8 and is mounted on the same hinged panel as a part of the FireFinder XLS Command Console enclosure.
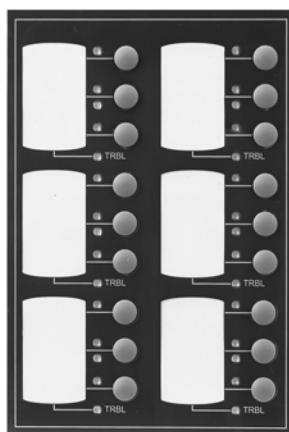
FCM-6

FCM-6 Fan, Motor, dampers Control Module

The FCM-6 is an FireFinder XLS command console option module that provides manual control of building HVAC system fans, motors, and dampers. Each FCM-6 module provides (6) sets of (3) push button switches for manual system control. Each switch has 3 associated LEDs to

indicate Fan/Damper/Motor status: OFF (Red LED), ON (Green LED), TROUBLE (Yellow LED).

PSC-12 Power Supply Charger Module

PSC-12 Power Supply Charger Module

The PSC-12 is a high current power supply that provides the FireFinder-XLS primary regulated 24VDC power to operate. It is rated at 12Amps (Alarm)/5Amps (Standby) and has a built in battery charger capable of charging up to 100AH batteries. The PSC-12 is an addressable intelligent microprocessor controlled module that communicates it status to the system operator interface (PMI). The PMI is able to query the status of the power supply to obtain information regarding system charging current, terminal loading information, ground fault conditions and more.
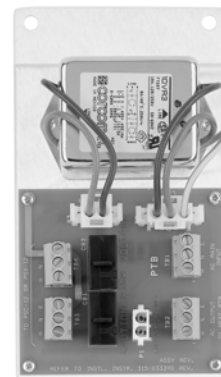
PTB Power Termination Board

PTB Power Termination Board

The PSC-12 comes packaged with a module called the PTB. The PTB is the Power Termination Board and is required for operation with the PSC-12. The PTB filters the power from the incoming AC mains and distributes it to the PSC-12 power supply and the optional PSX-12 power supply extender.

The PTB has an optional connector that can be used during system installation, commissioning & service to provide the technician with a place to plug in their laptop computer if required. The AC-ADPT is an optional accessory cable that allows connection on one side to the PTB via a keyed connector and on the other end directly into to the laptop's transformer. Most laptop computer external power transformers have removable AC power cords which can be replaced by the AC-ADPT to temporarily provide an AC power source for laptop computer used during system installation, service and maintenance calls when needed.

PSX-12 Power Supply Extender

PSX-12 Power Supply Extender

The PSX-12 is a high current auxiliary power supply that expands the FireFinder-XLS systems main PSC-12 power supply and battery charger with an additional 24VDC power. It is rated at 12Amps.

RNI Remote Network Interface

RNI Remote Network Interface

The Model RNI Remote Network Interface provides a connection point for use with equipment mounted in a remote lobby enclosure on the FireFinder XLS Fire Alarm Control Panel. It is used to provide additional input, output and control features to the system remotely from the main control panel. These additional features may include control switches and indicators (SCM-8, LCM-8 and FCM-6), remote emergency paging microphones or telephones (LVM, FMT), or controls used in graphic annunciators (SIM-16, OCM-16) or System Status Display with the ability to acknowledge alarms, silence audibles and reset the system (SSD-C-REM). The RNI allows the PMI to be mounted in the REMBOX2 or REMBOX4 remote lobby enclosure.

RPM Remote Printer Module

RPM Remote Printer Module

The Model RPM Remote Printer Module provides a means of connecting the FireFinder XLS system to a printer, like the PAL-1, for creating a hard copy of system status and configuration reports. Simultaneously, it provides an output port that can be configured to communicate with external systems.
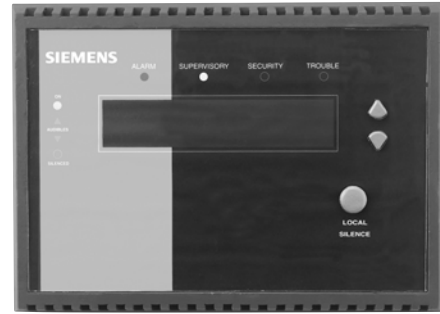
SSD Series

SSD Series

The SSD Series System Status Display is a remote LED/LCD display that shows the local status of a FireFinder XLS system. An LED illuminates when alarm, supervisory, trouble, and security events occur on the system. A four-line LCD will give details of the event in alphanumeric form. The display can be toggled to display additional events. Optional remote system control capabilities are available.

Models SSD-C, SSD-C-INT, and Model SSD-C-REM have three additional control buttons for acknowledging events, silencing audible circuits, and resetting the system. The SSD-C and SSD-C-INT have an integral keyswitch that enables these control buttons to operate. The SSD-C-REM is located within a locked cabinet, so no additional keyswitch is required for enabling the control buttons.

CAB1 Single Row Enclosure

CAB1 Single Row Enclosure

The Model CAB1 is the smallest of the FireFinder XLS enclosures. It can house a single CAB-MP cabinet mounting plate for mounting card cages, power supplies and bulk amplifiers. The CAB1 also has four mounting slots on the inner door for mounting a PMI interface and Model ID-MP switch module brackets. The CAB1 comes complete with a black back box, black inner and outer doors, a single lock and key set on the outer door, a single CAB-MP cabinet mounting plate (installed), and a single OD-LP outer door lens plate (installed). A red version called the CAB1-R is also available. Approximate size is 27" high, 26" wide, and 8" deep.

MDACT - Multi-Point Digital Alarm
Communicator Transmitter

MDACT - Multi-Point Digital Alarm Communicator Transmitter

The Model MDACT Multi-Point Digital Alarm Communicator Transmitter is used in FireFinder XLS systems where point identification of alarm, supervisory, security and trouble events is required at Central or Remote Receiving Stations. An intelligent RS-485 communications protocol transmits all system information to the MDACT. The installer selects the specific events, or groups of events, that are to be transmitted from the MDACT over phone lines to listed receiving station equipment. The MDACT can transmit point information via Ademco Contact ID and the SIA protocol. For installation, a MOM2-XMP Mounting Plate, MOM-2 card cage, and an XMI Interface Card are required.

CAB2 Two Row Enclosure

CAB2 Two Row Enclosure

The Model CAB2 is the mid-sized FireFinder XLS enclosure capable of housing up to two CAB-MP cabinet mounting plates. The inner door has two rows of four mounting slots. The outer door has space for mounting two outer door plates (Models OD-LP, OD-BP or OD-GP). The outer door can be configured to open from either side. The CAB2 consists of the CAB2-BB back box, the CAB2-BD black inner and outer door package, two CAB-MP cabinet mounting plates, and one OD-LP lens plate. The outer door has a single lock and key set installed. A red version called the CAB2R is also available. Approximate size is 45" High, 26" wide, and 8" deep.

CAB3 Three Row Enclosure

CAB3 Three Row Enclosure

The Model CAB3 is the largest single FireFinder XLS enclosure available. It can house up to three CAB-MP cabinet mounting plates in the enclosure, and three rows of inner door mounting slots. The outer door can be configured to open from either side. The CAB3 consists of the CAB3-BB back box, the CAB3-BD black inner and outer door package, three CAB-MP cabinet mounting plates, and one OD-LP lens plate. The outer door has two locks and key sets installed. A red version called the CAB3R is also available. Approximate size is 63" high, 26" wide, and 8" deep.

Enclosure Trim Kits

Trim kits are available for all system enclosures for semi-flush mounting applications. The Model CAB1-TK (for black enclosures) and the Model CAB1R-TK (for red enclosures) fit the CAB1 and CAB1-R enclosures. Similarly, the CAB2-TK and CAB2R-TK fit the CAB2 enclosure, and the CAB3-TK and CAB3R-TK fit the CAB-3 enclosure.

Remote Transponders

The FireFinder XLS system can use remote transponders for mounting additional modules like amplifiers without requiring a PMI or any control switches. Special doors are available for systems using CAB2 or CAB3 remote transponders. These doors, Models CAB2-XBD and CAB3-XBD, omit the unused inner door and come complete with ventilation louvers built into the door. The CAB2-XBD fits on a CAB2-BB and the CAB3-XBD fits on a CAB3-BB. The CAB2-XBD and CAB3-XBD are supplied in black. Red versions called the CAB2-XRD and CAB3-XRD are also available. Complete box and door kits are available as Model CAB2-X and Model CAB3-X.