



FX-2000 Intelligent Analog Fire Alarm Control Panel



Description:

The FX-2000 Fire Alarm Control Panel is equipped with a large 4 line by 20 character back-lit LCD display with user friendly menu, the FX-2000 supports both analog loop controllers as well as conventional circuit modules.

The modular design of the system allows for configurable units such as Programmable Input Switches, Fan Damper Control Modules, Programmable LED annunciators and Graphic Annunciators. In addition the FX-2000 comes equipped with two event history logs and four alarm sequences for simple yet detailed information. Designed for maximum flexibility, the FX-2000 provides easy installation and operation at a cost-effective price.

Along with the large 4 x 20 Back-lit Alphanumeric LCD display, the FX-2000 utilizes a simple Menu system complete with a directional keypad, common control switches and LEDs, Alarm sequence switches and LEDs, two configurable input switches and 16 configurable zone LEDs.



FX-2000

Operation:

The FX-2000 is field programmable via the front panel auto configuration or a laptop computer. In addition, it allows for a three level password protection that can be field defined via a laptop computer. This unique feature allows the installer to determine what functions are accessible for each password level.

The system is also equipped with two Event History Logs; one for Alarm and the other for full panel sequence events. The Alarm History Log (1000 events) contains all alarm related functions while the Event Log (2000 events) provides a full sequence log of all operations, as well as alarms and troubles. Both Event History Logs can be used during the One Man Walk Test operation. This allows the event logs to be downloaded to a laptop or printer for a permanent record.

Features:

- **Intelligent Analog system capable of supporting multiple analog loops as well as conventional circuits**
- **Each analog loop is capable of supporting 99 Analog Sensors and 99 Addressable Modules**
- **Base system supports 16 conventional hardwired modules with the provision to add more with the Hardwire Loop Controller Module**
- **Remote LCD Display which can support configurable units such as Programmable Input Switches, Fan Damper Control Modules, Programmable LED annunciators and Graphic Annunciators.**
- **UL and ULC Approved**

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Operation/Input Correlations:

The FX-2000 is a very flexible system which supports both internal and external annunciation modules. The internal annunciation modules consist of the **RAX-048** Programmable Zone LED Annunciator, the **IPS-2424** Programmable Input Switches Module, the **FDX-008** Fan Damper Module and the **AGD-048** Adder Graphic Driver Module.

All of these modules mount within the panel and are driven from the main LCD display. The external annunciator modules include the **RAM-1032** and **RAX-1048** LED Remote Annunciators, the **MGD-32** Master Graphic Driver Module, the **MGDS-16/16** Master Graphic Driver Module and the **RAX-LCD** Remote LCD Shared Display. The RAX-LCD Remote LCD Shared Display provides the same features as the main display on the FX-2000. In addition the RAX-LCD also acts as a driver module that allows for the RAX-048, IPS-2424, FDX-008 and AGD-048 to be connected to it. The RAX-LCD is required as a driver module any time any of the above mentioned external annunciator modules are programmed differently from those on the main panel or are mounted remote from the main panel.

In addition to these adder modules, the FX-2000 also supports the **UDACT-300** Digital Communicator Module and the **PR-100** Polarity Reversal/City Tie Module. The FX-2000 also supports an **RS-485** interface to the Voice Activation System.

All input circuits (addressable or hardwired) can be configured for non-verified alarm, verified alarm, waterflow, latching/non-latching supervisory, monitor, trouble only or remote switch inputs. All of the input configuration types listed above, with the exception of remote switch, can be programmed to operate relays, signal and strobe circuits for hardwired or addressable devices. The input circuits configured as nonlatching will cause the output circuits configured to them to follow the state of the input device. This feature allows for the connection of multiple panels together for signal operation.

The Remote Switch input, which must be momentary, allows any input type device (addressable or hardwired) to be configured as a common control functions such as fire drill, system reset, signal silence etc. The remote switches operate in a momentary mode like the control switches on the FX-2000 main panel. For functions such as fire drill, the remote switch functions in a toggle mode, with one press for "on" and one press for "off". The remote switch is supervised for "stuck in on" positions, where the switch input is activated (stuck) for more than 30 seconds. If this occurs, a trouble is generated and clears when the input goes away.

Ordering Information:

Model No.	Description
FX2000	Intelligent Analog Fire Alarm Control Panel
SFX2000	Data Specification Sheet

Additional Features:

- Two spare configurable input switches
- Built-in One Man Walk Test operation
- Configurable for Coded Operation
- 16 zone configurable LED annunciator complete with individual slide-in labels for zone definition
- Supports an RS-485 interface to the QX-5000 Emergency Zoned Audio System
- Panel selection for Canadian (ULC) or U.S.A. (UL) requirements for smoke sensors (sensitivity) via computer laptop
- Automatic Drift Compensation
- Capability to adjust Intelligent Smoke Detector sensitivity level
- Large 4 by 20 character Back-lit LCD Display with user friendly menu
- Four Alarm Queues with selector switches and LEDs for Alarm, Supervisory, Monitor and Trouble
- Auxiliary relay contacts for Common Alarm, Common Supervisory and Common Trouble
- RS-232 output for remote system printer or CRT
- Two Event History Logs comprised of a 1000 Alarm History Log for alarm related events and a 2000 Event Log for all events.
- Front Panel Auto-Configure and/or Computer laptop Programmable
- Large 4 by 20 character Back-lit LCD Display with user friendly menu
- Four Class A/B (Style Z/Y) indicating circuits rated at 1.7 amps each

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