



Description

Mircom's FX-2000 Intelligent Analog Fire Alarm Control Panel is designed to provide maximum flexibility of analog system requirements while also providing easy installation and operation at a cost-effective price.

The FX-2000 base panel consists of one intelligent analog loop controller capable of supporting 99 Analog Sensors and 99 Addressable Modules which can be wired in Class A (Style 6 or 7) or Class B (Style 4). The system can be expanded by adding additional Analog Loop Controller Modules. In addition the base panel supports 16 conventional hardwire adder modules such as the DM-1008A Initiating Circuit Module, SGM-1004A Indicating Circuit Module and the RM-1008A Relay Circuit Module. Additional conventional hardwire adder modules can be added with the ALC-H16 Adder Hardwire Loop Controller Module, which allows the system to support an additional 16 conventional adder modules. The base panel also consists of 4 Class A/B (Style Z/Y) Indicating Circuits rated at 1.7 Amps each and either a 6 or 12 Amp Power Supply.

Equipped with a 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 Queue switches and LEDs, two configurable input switches and 16 configurable zone LEDs.

Features

- Large system capacity
- Modular design
- Each Analog Loop is capable of supporting 99 Analog Sensors and 99 Addressable Modules which can be wired in Class A (Style 6 or 7) or Class B (Style 4)
- Base system supports 16 conventional hardwired modules with the provision to add more using the ALC-H16 Hardwire Loop Controller Module
- 6 or 12 Amp power supply
- Four Class A/B (Style Z/Y) Indicating Circuits rated at 1.7 Amps each
- Two Stage operation
- Three level password protection with field programmable definition which enables the installer to determine what functions are accessible for each password level
- Four Alarm Queues with selector switches and LEDs
- Queues available 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
- Common Control switches and/or indicating LEDs for System Reset, Signal Silence, Fire Drill, Acknowledge, General Alarm, Lamp Test, A.C. On, Pre-Alarm and Ground Fault
- Two spare configurable input switches
- Built-in One Man Walk Test 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
- Capability to adjust Intelligent Smoke Detector sensitivity level



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.

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.

Input Correlations

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. Please refer to the chart below for correlations. The input circuits configured as non-latching 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.

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-100A Digital Communicator Module and the PR-100 Polarity Reversal/City Tie Module. The FX-2000 also supports an RS-485 interface to the QX-5000 Emergency Zoned Audio System.

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.

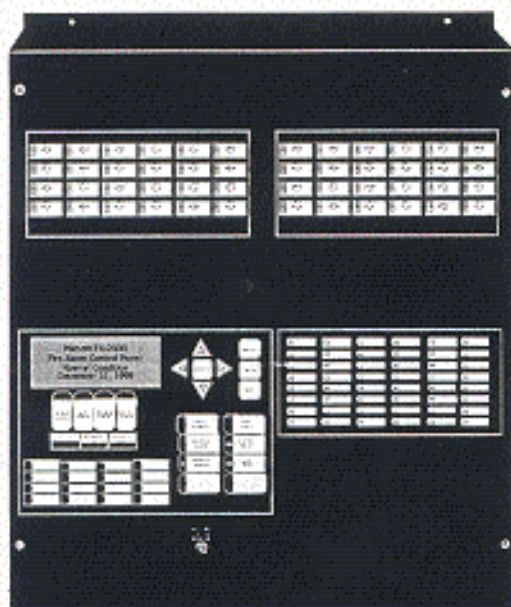
Intelligent or Conventional Input Types	Output			Control Switches
	Relay	Signal	Strobe	
Non-Verified Alarm	Y	Y	Y	N
Verified	Y	Y	Y	N
Waterflow	Y	Y	Y	N
Non-Latching Supervisory	Y	Y	Y	N
Latching Supervisory	Y	Y	Y	N
Monitor	Y	Y	Y	N
Trouble Only	Y	Y	Y	N
Remote Switch Input	N	N	N	Y

Chassis



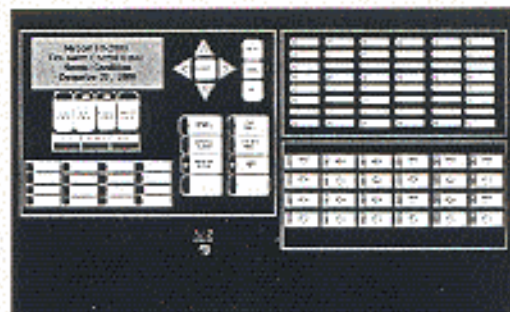
FX-2003-6/FX-2003-12 Compact Main Chassis

The FX-2003-6/FX-2003-12 Compact Main Chassis comes complete with one Analog Loop Controller (99 Analog Sensors and 99 Addressable Modules), 4 Class A/B (Style Z/Y) Indicating Circuits (1.7 Amps each), a 4 line by 20 character back-lit LCD display, 16 Zone LED Annunciator and either a 6 Amp Power Supply which charges 10-24 AH batteries or a 12 Amp Power Supply which charges 17-40 AH batteries. The FX-2003-6/FX-2003-12 supports 16 conventional adder modules and provides space for 3 adder modules. Mounts in the BBX-1024 enclosure.



FX-2017-12A Mid-Size Main Chassis

The FX-2017-12A Mid-Size Main Chassis comes complete with one Analog Loop Controller (99 Analog Sensors and 99 Addressable Modules), 4 Class A/B (Style Z/Y) Indicating Circuits (1.7 Amps each), a 4 line by 20 character back-lit LCD display, 16 Zone LED Annunciator and a 12 Amp Power Supply which charges 17-40 AH batteries. The FX-2017-12A supports 16 conventional adder modules and has space for up to 17 adder modules and 3 internal annunciator adder modules. Mounts in the BBX-1072A enclosure.



FX-2009-12 Large Size Main Chassis

The FX-2009-12 Large Size Main Chassis comes complete with one Analog Loop Controller (99 Analog Sensors and 99 Addressable Modules), 4 Class A/B (Style Z/Y) Indicating Circuits (1.7 Amps each), a 4 line by 20 character back-lit LCD display, 16 Zone LED Annunciator and a 12 Amp Power Supply which charges 17-40 AH batteries. The FX-2009-12 supports 16 conventional adder modules and provides space for up to 9 adder modules and 2 internal annunciator adder modules. Mounts in the BB-5000 Series enclosures.



ECX-0012 Expander Chassis

The ECX-0012 Expander Chassis for the FX-2009-12 supports up to 12 adder modules and has space for 2 internal annunciator modules. Mounts in the BB-5000 series enclosures.

Adder Loop Controllers

ALC-198S Single Analog Loop Controller Module

The ALC-198S Single Analog Loop Controller Module provides an additional analog loop to the FX-2000 consisting of 99 Analog Sensors and 99 Addressable Modules. The ALC-198S occupies one module slot in the FX-2000 main or expander chassis.

ALC-396S Dual Analog Loop Controller Module

The ALC-396S Dual Analog Loop Controller Module provides two additional analog loops to the FX-2000 consisting of 99 Analog Sensors and 99 Addressable Modules per loop. The ALC-396S occupies one module slot in the FX-2000 main or expander chassis.

ALC-H16 Hardwire Loop Controller Module

The ALC-H16 Hardwire Loop Controller Module allows the FX-2000 to support an additional sixteen (16) conventional hardwire adder modules. The hardwire modules consist of the DM-1008 Eight Initiating Circuit Module, SGM-1004 Four Indicating Circuit Module and the RM-1008 Eight Relay Circuit Module. The ALC-H16 occupies one module slot in the FX-2000 main or expander chassis.

Adder Hardware Modules

DM-1008A Eight Initiating Circuit Module

The DM-1008A provides 8 Class B (Style B) or 4 Class A (Style D) Initiating Circuits configurable for Alarm, Supervisory or Trouble zones. The DM-1008A occupies one module slot in the FX-2000 main or expander chassis.

SGM-1004A Four Indicating Circuit Module

The SGM-1004A provides 4 Class A/B (Style Z/Y) Indicating Circuits configurable as Silenceable or Non-Silenceable. Each Indicating Circuits is rated at 1.7 Amps. Each of the indicating circuits have individual signal silence inputs which are jumper selectable. The SGM-1004A occupies one module slot in the FX-2000 main or expander chassis.

RM-1008A Eight Relay Circuit Module

The RM-1008A provides the FX-2000 with 8 individual configurable relays per module. Each relay provides one Form C contact rated at 28 VDC @1 Amp (resistive load) The RM-1008A occupies one module slot in the FX-2000 main or expander chassis.

Auxiliary Adder Modules

UDACT-100A Digital Alarm Communicator Module

The UDACT-100A Digital Alarm Communicator Module allows the FX-2000 to transmit addressable point information to a central station. Hardwired points will also be transmitted as zones to the central station. The UDACT-100A uses the Ademco Contact ID and SIA-DCS protocols. The UDACT-100A occupies one module slot in the FX-2000 main or expander chassis.

PR-100 Polarity Reversal/City Tie Module

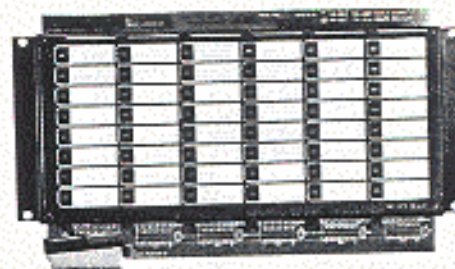
The PR-100 Polarity Reversal/City Tie Module provides the system with a supervised City Tie (24 VDC/200 mA max.) and Polarity Reversal connection (24 VDC (open circuit), 8 mA max. (shorted)). The PR-100 mounts in the FX-2000 main chassis.

Electrical Ratings

Current Consumption

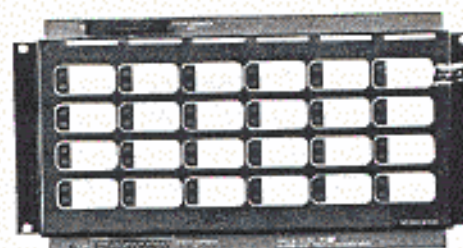
Model	Standby	Alarm
FX-2003-6/FX-2003-12	230 mA	380 mA
FX-2017-12A	230 mA	380 mA
FX-2009-12	230 mA	380 mA
ALC-198S/ALC-396S	35 mA	50 mA
ALC-H16	35 mA	50 mA
DM-1008A	80 mA	100 mA
SGM-1004A	35 mA	150 mA
RM-1008A	25 mA	150 mA
PR-100	35 mA	300 mA
UDACT-100A	45 mA	120 mA
RAX-LCD	100 mA	150 mA
RAX-048	15 mA	100 mA
IPS-2424	10 mA	144 mA
FDX-008	10 mA	100 mA
MGD-32	35 mA	1.6 Amps
MGDS-16/16	35 mA	0.88 Amps
AGD-048	25 mA	2.4 Amps
RAM-1032	50 mA	150 mA
RAX-1048	15 mA	100 mA

Programmable Modules



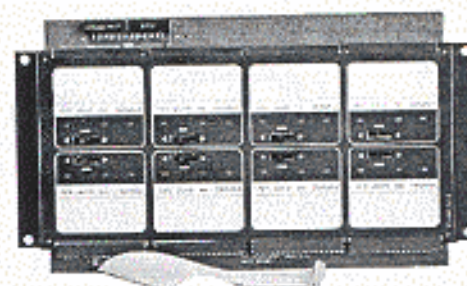
RAX-048 Programmable Zone LED Annunciator Module

The RAX-048 Programmable Zone LED Annunciator Module provides 48 programmable bi-coloured LEDs. The RAX-048 connects to the main panel or the RAX-LCD Shared Display when mounted remotely. The RAX-048 occupies one display position in the BB-1000 or BB-5000 enclosures.



IPS-2424 Programmable Input Switches Module

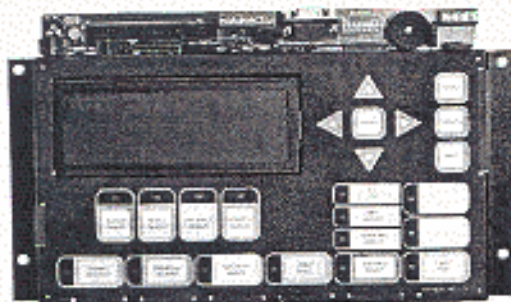
The IPS-2424 Programmable Input Switches Module provides 24 programmable switches that can be configured for ancillary functions such as zone bypass or added common control functions. The switches operate in a toggle operation with one press for "on" and one press for "off". The IPS-2424 connects to main panel or the RAX-LCD when mounted remotely. The IPS-2424 occupies one display position in the BB-1000 or BB-5000 enclosures.



FDX-008 Fan Damper Module

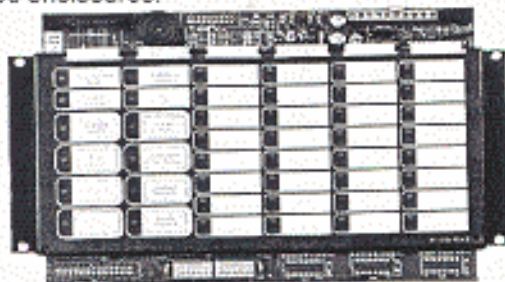
The FDX-008 Fan Damper Module provides individually programmed circuits which can be used for fan or damper control. Each circuit has a slide-in label, a three position selector switch, green "run or open" LED and an amber "off or closed" LED. The three-position selector switch has a centre "auto" position, a left "off or close" position and a right "on or open" position. The FDX-008 connects to the main panel or the RAX-LCD when mounted remotely. It uses MIX-M500CH for control of fans or dampers and two MIX-M501A for status. The FDX-008 occupies one display position in the BB-1000 or BB-5000 enclosures.

Remote Annunciators



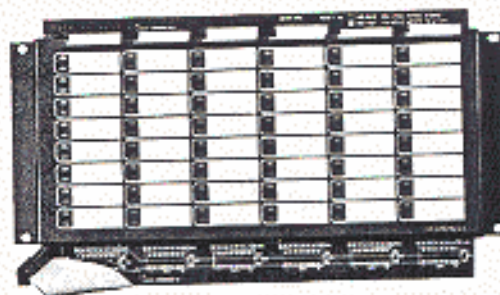
RAX-LCD Remote Shared Display

The RAX-LCD Remote Shared Display is a remote annunciator that provides the same functions as the main display on the fire alarm control panel, less the 16 zone LEDs. In addition to operating as a remote annunciator, it can also be used as a driver module for standard LED annunciation or reduced zone annunciation (different from the main panel annunciation), graphic drivers programmed different from the main annunciators, programmable switch modules with a unique configuration and fan damper control also with a unique configuration. Each time a different type of annunciation configuration is needed an additional RAX-LCD is required. The RAX-LCD occupies one display position in the BB-1000 or BB-5000 enclosures.



RAM-1032 Main Remote LED Annunciator

The RAM-1032 Main Remote LED Annunciator provides common annunciator functions and 32 points of LED annunciation. Easy display point can be identified by the slide-in label that slides in beside the LED. The RAM-1032 is equipped with sealed membrane-like buttons for Common Control functions. The RAM-1032 allows for the control switches to be disabled on a per function basis for areas that do not require certain common control functions to be remotely located from the fire alarm control panel. The RAM-1032 can be programmed differently than the main panel annunciator or a remote RAX-LCD. All RAM-1032 remote annunciators on the system must be programmed the same. All RA-1000 or graphic drivers must have the zoned LED or graphic LED correlated to the same combination of addressable devices or hardwired zones. However, the zoned LED annunciator on the FX-2000 main panel can be programmed differently from the annunciators mounted remotely. The combined total of RAM-1032 and MGD-32 or MGDS-16/16 per system is eight. The RAM-1032 occupies one display position in the BB-1000 or BB-5000 enclosures.



RAX-1048 Adder Remote LED Annunciator

The RAX-1048 Adder Remote LED Annunciator provides an additional 48 points of LED annunciation. The RAX-1048 is an expandible module that connects to the RAM-1032. As with the RAM-1032, each display point can be identified by the slide-in label that slides in beside the LED. The RAX-1048 occupies one display position in the BB-1000 or BB-5000 enclosures.

Graphic Annunciator Driver Modules

MGD-32 Master Graphic Driver Module

The MGD-32 Master Graphic Driver Module provides common control inputs for the common control switches such as System Reset, Signal Silence, Auxiliary Disconnect, Fire Drill, Lamp Test, Acknowledge and General Alarm. Any or all of these switch inputs can be used. There are supervised outputs for all of the support LEDs and the common control switches. The MGD-32 can also drive up to 32 supervised outputs. These output points are capable of driving LEDs or incandescent lamps. Mounts in a graphic annunciator wallbox or in the BB-5000 enclosures. External power supply required for incandescent lamps and lamp test.

MGDS-16/16 Master Graphic Driver Module

The MGDS-16/16 Master Graphic Driver Module comes with all of the common control switches and LEDs on the front plate. It also contains sixteen (16) configurable LEDs and outputs of sixteen (16) LEDs or incandescent lamps. The MGDS-16/16 has the same functionality as the MGD-32 except it has the common control functions and 16 LEDs on the front panel rather than being outputs for the graphic annunciator. The MGDS-16/16 occupies one display position in the BB-5000 enclosures.

AGD-048 Adder Graphic Driver Module

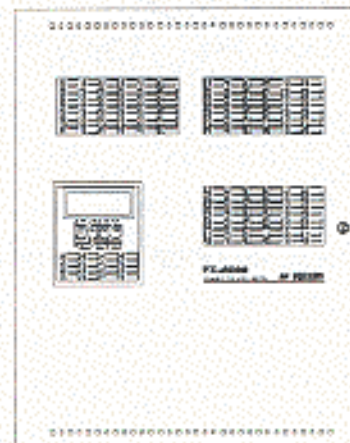
The AGD-048 Adder Graphic Driver Module can be used with either of the MGD-32 or MGDS-16/16 Master Graphic Driver modules, or if located remotely it must be connected and mounted with the RAX-LCD Shared Display. The AGD-048 will support an additional 48 supervised outputs. As with the master modules, the AGD-048 will support both LEDs and incandescent lamps. Mounts in a graphic annunciator wallbox or in the BB-5000 enclosures.

Enclosures



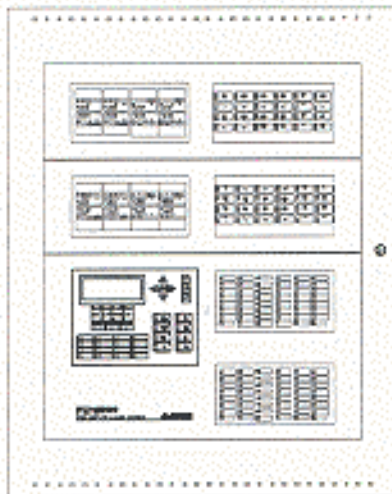
BBX-1024

The BBX-1024 enclosure is capable of handling one FX-2003-6 or FX-2003-12 Compact Main Chassis and up to 17 AH Batteries. The FA-1024TR Semi-Flush Trim Ring is required for flush mounting. The cabinet features the universal CAT-30 lock and a removable door for easy installation and servicing. The cabinet is available in a beige or red exterior (BBX-1024R). Dimensions: 26"H x 14 1/2"W x 4 1/2"D



BBX-1072A

The BBX-1072A enclosure is capable of handling one FX-2017-12A Mid-Size Main Chassis, as well as up to 40 AH Batteries. The cabinet features the universal CAT-30 lock and a removable door for easy installation and servicing. The cabinet is available in a beige or red exterior (BBX-1072AR). Dimensions: 32 1/2"H x 25"W x 6 1/2"D



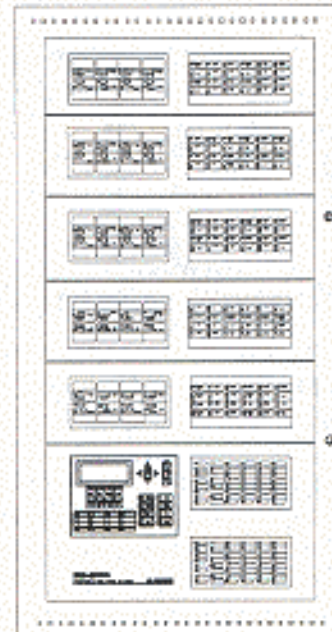
BB-5008

The BB-5008 is a lobby control centre enclosure which is capable of handling one FX-2009-12 Large Main Chassis which supports 2 internal annunciator modules such as the IPS-2424, FDX-008, RAX-048, etc. In addition the BB-5008 allows for 4 footprints for mounting Audio Lobby Control modules, Fire Fighter's Lobby Control modules and FX-2000 Internal Annunciator modules. The cabinet hold up to 24 AH batteries. Door and Chassis hardware are ordered separately.

Dimensions* 36"H x 30"W x 7"D

Other Enclosures

- BB-1001: 9"H x 12.75"W x 1.2"D
- BB-1002: 18"H x 12.75"W x 1.2"D
- BB-1003: 26.4"H x 12.75"W x 1.2"D
- BB-1008: 33"H x 22.5"W x 1.25"D
- BB-1012: 45"H x 22.5"W x 1.25"D



BB-5014

The BB-5014 is a lobby control centre enclosure which is capable of handling one FX-2009-12 Large Main Chassis which supports 2 internal annunciator modules such as the IPS-2424, FDX-008, RAX-048, etc. In addition the BB-5014 allows for 10 footprints for mounting Audio Lobby Control modules, Fire Fighter's Lobby Control modules and FX-2000 Internal Annunciator modules. The BB-5014 can also support a graphic annunciator in place of these modules. The cabinet holds up to 24 AH batteries. Door and Chassis hardware are ordered separately.

Dimensions: 60"H x 30"W x 7"D



DH-200P



DH-200RP

Description

Mircom's intelligent InnoVAIR™ duct smoke detectors, models MIX-DH200P and MIX-DH200RP, feature the superior capabilities of an intelligent sensor in a unit that is easy to install and maintain.

The MIX-DH200 Series Duct Smoke Detector samples air currents passing through a duct and gives dependable performance for shutdown of fans, blowers, and air conditioning systems, preventing the spread of toxic smoke and fire gases through the protected area.

Both the MIX-DH200P and MIX-DH200RP duct smoke detectors contain photoelectric sensors. The intelligent sensors communicate and are continuously monitored through the communication line. Detector sensitivity changes caused by dirt, temperature, or humidity are reported to the FX-2000 fire alarm control panel, allowing compensation algorithms to maintain the sensor's set sensitivity. An advance indication at the panel specifies the sensor address, allowing for selected maintenance to be performed as needed.

Remote alarm annunciation can be accomplished using the RA-400Z Remote Annunciator or the RTS-451 Remote Test Station. The RTS-451 allows testing of the detector from a remote location. The detector must be reset from the FX-2000 fire alarm control panel. The MIX-DH200P incorporates zener diodes to conserve power for communications to other devices and limit power to supplementary accessories at times of high power demands.

Features

- Easily accessible code wheels
- Patented cover - missing trouble signal feature
- Patented plastic sampling tube for ducts up to 18" wide
- Operate from the FX-2000 communication line
- MIX-DH200P has outputs for remote LED output
- MIX-DH200RP has two Form C auxiliary contacts (external supply is required only when using the auxiliary relay or connecting any accessories)
- 3-year warranty

Architectural/Engineering Specifications

The duct smoke detector shall be a model MIX-DH200P or MIX-DH200RP Intelligent Series Duct Smoke Detectors to be used with the FX-2000 Fire Alarm Control Panel. The duct smoke detector shall be UL and ULC listed, specifically for use in air handling systems. The detector shall operate in air velocities from 500 to 4000 feet per minute. The detector shall be an intelligent photoelectric detector. It shall be capable of local testing via magnetic switch or remote testing from the RTS-451 Remote Test Station. The duct smoke detector housing shall incorporate an airtight smoke chamber. The housing shall be capable of mounting to either a rectangular or round ducts without adapter brackets. An integral filter system shall be included to reduce dust and residue effects, thereby reducing maintenance and servicing. Sampling tubes shall be easily installed after the housing is mounted to the duct by passing through the duct housing. Terminal connections shall be of the strip and clamp method suitable for 12-18 AWG wiring.

Specifications

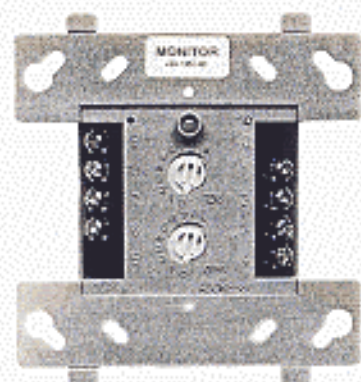
Operating Temp. Range	32°F to 131°F (0°C to 55°C)
Operating Humidity Range	10% to 93% relative humidity (non-condensing)
Duct Air Velocity	500 - 4000 ft./min. (2.54 - 20.32 m/s)


CATALOGUE NUMBER 5905

INTELLIGENT ADDRESSABLE MODULES MIX-500 SERIES

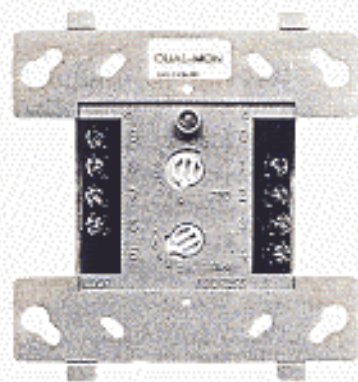
Mircom's intelligent module products are designed to meet a wide range of applications. The monitor and control modules can be used to supervise and activate sounders, strobes, door closers, pull stations, waterflow

switches, conventional smoke detectors and more. The modules are addressed with easy-to-use rotary code switches and mount in a standard 4" x 4" x 2 1/8" junction box.



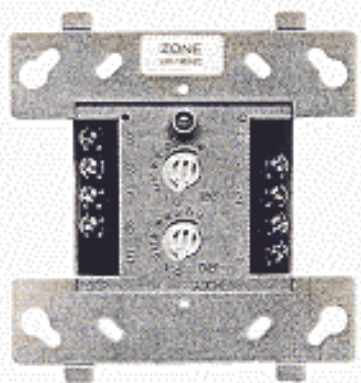
Intelligent Addressable Monitor Module (MIX-M500M)

The Intelligent Addressable Monitor Module (MIX-M500M) provides an address for a group of UL/ULC Listed normally open (N.O.) initiating devices, such as heat detectors, beam smoke detectors, 4-wire smoke detectors, waterflow switches, manual pull stations, etc. wired in a Class A (Style D) or Class B (Style B) initiating circuit. The MIX-M500M has an activated red LED.



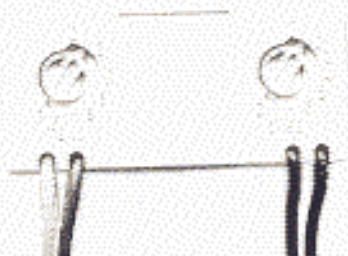
Intelligent Addressable Dual Monitor Module (MIX-M500DM)

The Intelligent Addressable Dual Monitor Module (MIX-M500DM) provides two independent 2-wire initiating device circuits at two separate, consecutive addresses. It is capable of monitoring two separate Class B (Style B) circuits simultaneously, making it ideal for water flow and tamper switch monitoring. The MIX-500DM has a single activated red LED that is common to either circuit.



Intelligent Addressable Interface Module (MIX-M502M)

The MIX-M502M provides the same features as the MIX-M500M but also allows for the use of multiple, conventional 2-wire smoke detectors in the circuit. This module requires a resettable signal power source. The MIX-M502M internally supervises the separate power source. The red LED indicates when the module is activated. All two-wire detectors that are monitored must be UL/ULC compatible with the MIX-M502M module.



Intelligent Addressable Mini-Monitor Module (MIX-M501M)

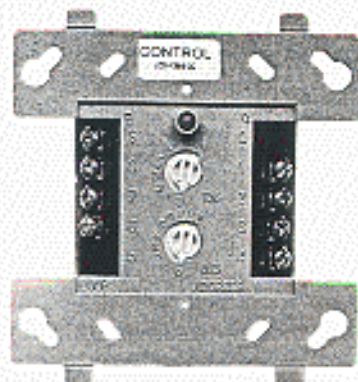
The Intelligent Addressable Mini Monitor Module provides an address for a group of UL/ULC Listed Normally Open (N.O.) initiating devices, such as heat detectors, projected beam smoke detectors, 4-wire smoke detectors, waterflow switches, manual pull stations, etc. wired in a Class B (Style B) initiating circuit.



CATALOGUE NUMBER 5903

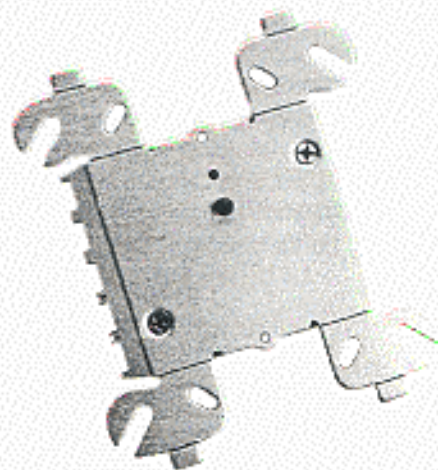
NOT TO BE USED FOR INSTALLATION PURPOSES.

Mircom reserves the right to make changes at any time without notice in prices, colours, materials, components, equipment, specifications and models and also to discontinue models.



Intelligent Addressable Supervised Control Module (MIX-M500S)

The MIX-M500S Control module provides supervised monitoring of wiring to signal devices that require an external power supply to operate, such as horns, strobes, bells or speaker isolators. Conventional signals will require a 24 VDC power source and speakers will require an audio input. The MIX-M500S does not supervise the power source. A UL/ULC EOL relay such as the A77-716B(A) is required. The red LED will illuminate when the module is activated. The module is capable of Class A (Style Z) or Class B (Style Y) supervision.



Intelligent Addressable Relay Module (MIX-M500R)

The Intelligent Addressable Relay Module connects to the same loop as the initiating devices and provides two isolated sets of Form-C contacts. The module allows the FX-2000 fire alarm control panel to switch these contacts on command. The MIX-M500R has an activated red LED which follows the state of the relay contacts.

Fault Isolator Module (M500X)

The M500X Fault Isolator Module is used to protect the system against wire-to-wire short circuits on the analog loop. The modules should be spaced between groups of sensors or modules in a loop to protect the rest of the loop. In the event of a short circuit between any two fault isolator modules, both modules immediately switch to an open circuit condition and isolate any group of sensors between them. The remaining units on the circuit will continue to operate in a normal fashion (must be wired in Class 'A' or Style B). A maximum load of 25 devices can be connected to an isolator to insure that the isolator powers up correctly.