



Description

Mircom's 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 Series 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 Series 1000 is designed to meet virtually all applications.

The Series 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 Series 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 UDACT-100A Digital Communicator and the PR-100 Polarity Reversal / City Tie Module.

Equipped with Configuration DIP Switches on the Main Display Module the Series 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.

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 RA-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

Optional Modules

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



System Components



MCC-1024-6A

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 UDAC1-100A Digital Communicator or PR-100 Polarity Reversal/City Tie Module.



MCC-1024-12A

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 UDACT-100A Digital Communicator or PR-100 Polarity Reversal/City Tie Module.



ECH-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.

RM-1008A

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).

DM-1008A

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.

SGM-1004A

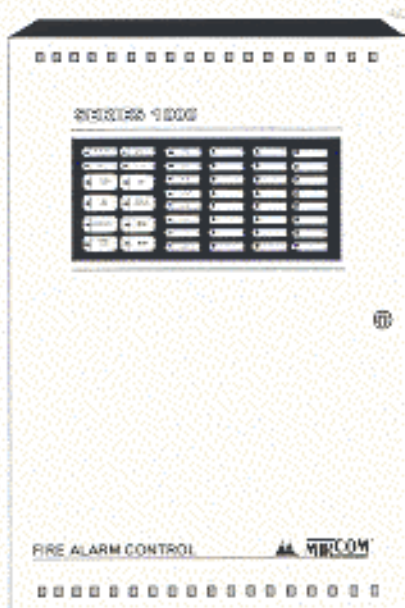
4 Indicating Zone Module provides 4 Class A/B (Style Z/Y) Indicating Circuits configurable as Silenceable or Non-Silenceable. Each Indicating Circuit is rated at 1.7 Amps. Each of the indicating circuits have individual circuit signal silence inputs which are jumper selectable.

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)).

UDACT-100A

Digital Alarm Communicator Transmitter/Dialler Module allows the Series 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.


BB-1024

BB-1072

Description

All cabinets in the Series 1000 Fire Alarm System are made from 18 gauge cold rolled steel. The cabinets are complete with backbox, door and hinge. All cabinet doors come with fire retardant lexan windows, two keys and the universal CAT-30 lock. The doors come hinged to the left side of the backbox and are removable for easy installation and servicing.

The backbox has been designed to provide the installer easier access for installation of system modules and wiring. Knockouts are placed at numerous locations on the backboxes to help the installer bring conduit to the panel from any direction.

Enclosures come in two sizes. The outside dimensions for each cabinet are listed on this sheet to help in preparing a suitable mounting location at the installation site.

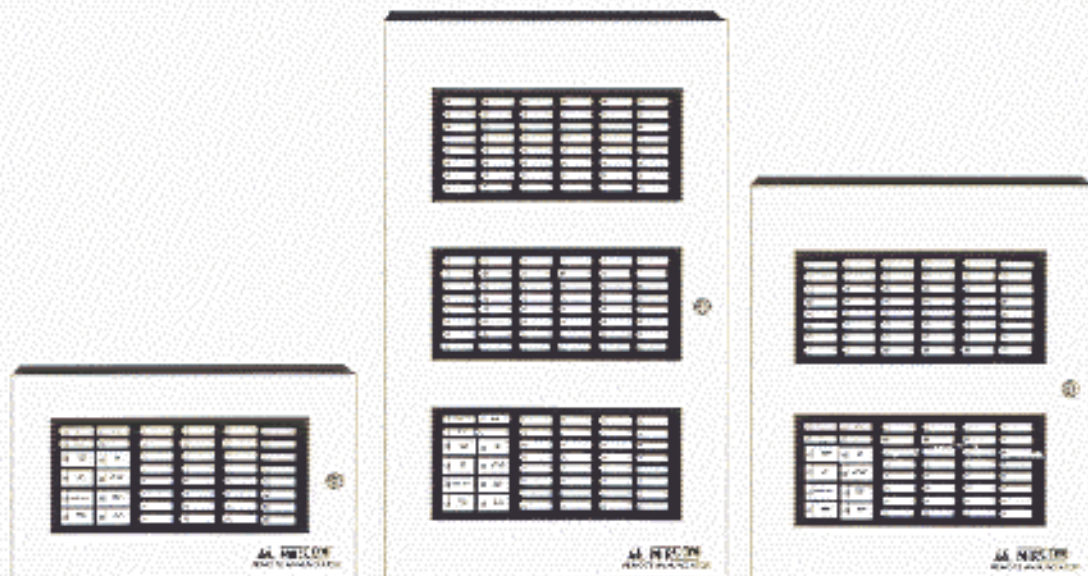
BB-1024

The BB-1024 holds either an MCC-1024-6A or MCC-1024-12A Main Chassis and batteries up to 17 Amp Hour in size. The FA-1024TR trim ring is required for flush mounting. The enclosure comes equipped with a removable door and the universal CAT-30 lock and key. The BB-1024 is available in a beige colour for the Canadian market.

BB-1072

The BB-1072 holds either an MCC-1024-6A or MCC-1024-12A Main Chassis and one ECH-1048 Expander Chassis. It can also house batteries up to 40 Amp Hour in size. The FA-1072TR trim ring is required for flush mounting. The enclosure comes equipped with a removable door and the universal CAT-30 lock and key. The BB-1072 is available in a beige exterior.





Description

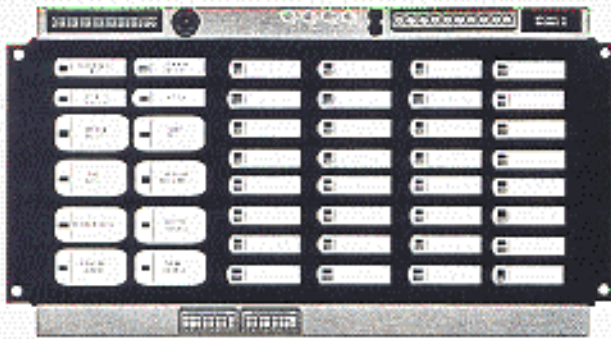
Mircom's modular RA-1000 Series Remote Annunciators are multiplex annunciator panels that provide a large capacity of annunciation (up to 224 points) with the standard Mircom Series 1000 Fire Alarm Control Panels. The RA-1000 Series is comprised of five chassis models. The RAM-1032 Main Annunciator Chassis consists of sealed membrane-like buttons and LED indicators. Complete with Common Control Features and Indicators, the RAM-1032 Main Annunciator Chassis provides up to 32 points of annunciation and can be expanded with up to four RAX adder annunciator chassis modules. Defined via DIP switches, the RA-1000 Remote Annunciators are automatically configured to match the Series 1000 Fire Alarm Control Panel configuration.

The RAX-1048 Adder Annunciator Chassis has the same basic construction as the Main Annunciator Chassis and can provide up to 48 points of annunciation. It interconnects to either a RAM-1032 Main Annunciator or a RAX-1048 Adder Annunciator Chassis. Up to four RAX-1048 Adder Annunciator Chassis' can be connected to one RAM-1032. The annunciators come standard with Bi-coloured LEDs to annunciate Alarm or Supervisory points. Each display point can be identified by the slide-in label that slides in beside the LED. The annunciator modules can mount into five various sized enclosures.

Standard Features

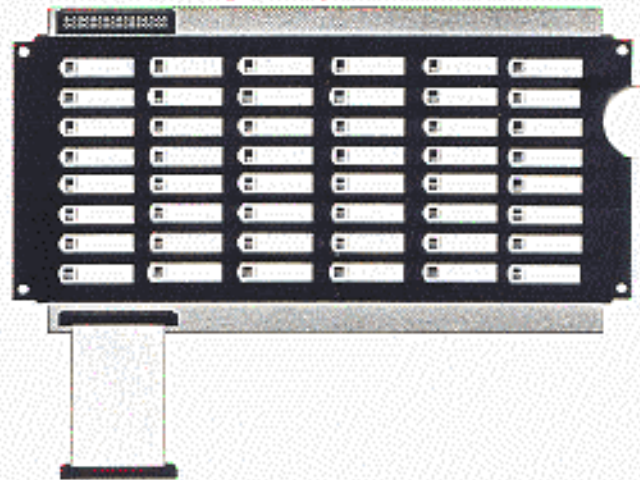
- Large capacity of annunciation (maximum of 224 points)
- Provides annunciation through five annunciator chassis modules
- Bi-coloured LEDs
- Slide-in labels for each display point
- Surface mount to standard gang outlet boxes
- Sealed membrane-like buttons and LED indicators
- Local Buzzer, Silence and Lamp Test switches
- LEDs for A.C. On, Common Trouble, Remote Failure, Aux. Disconnect, Acknowledge, General Alarm, Signal Silence and Test/Configuration Mode
- Controls for System Reset, Lamp Test, Fire Drill, Aux. Disconnect, Buzzer Silence, Signal Silence, General Alarm and Acknowledge
- Each annunciation point is automatically selected for either Alarm (Red) or Supervisory (Amber) to match the Series 1000 Fire Alarm Control Panel configuration
- Five sizes of enclosures
- Enclosures are available in a beige colour for the Canadian market and a red exterior for the U.S. and International markets


CATALOGUE NUMBER 5505



RAM-1032 - Main Annunciator Chassis

The RAM-1032 Main Annunciator Chassis is an expandable module used in the RA-1000 Series Remote Annunciators to provide control, indication of common annunciator functions and up to 32 points of annunciation. The RAM-1032 can be expanded with up to four RAX-1048 Adder Annunciator Chassis' to a maximum of 224 points. The RAM-1032 comes standard with Bi-coloured LEDs which are automatically configured for either alarm (Red) or Supervisory (Amber) to match the Series 1000 Fire Alarm Control Panel configuration. Each display point can be identified by the slide-in label that slides in beside the LED. Equipped with sealed membrane-like buttons and LED indicators, the RAM-1032 has a Local Buzzer as well as indicators for A.C. On, Common Trouble, Remote Failure, Aux. Disconnect, Acknowledge, General Alarm, Signal Silence and Test/Configuration mode. In addition it has controls for System Reset, Lamp Test, Fire Drill, Auxiliary Disconnect, Buzzer Silence, Signal Silence, General Alarm and Acknowledge. 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 slide-in labels are easily customized to reflect the omission of those control switches. It occupies one slot in the BB-1000 or BB-5000 enclosures. RAM-1032TZ is available with 32 Trouble LEDs.



RAX-1048 - Adder Annunciator Chassis

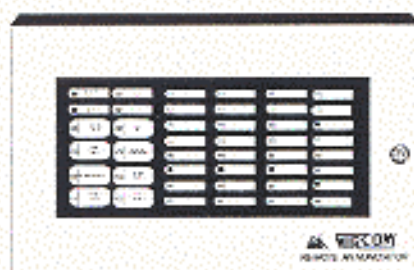
The RAX-1048 Adder Annunciator Chassis is used in the RA-1000 Series Remote Annunciators to provide 48 additional points of annunciation. The RAX-1048 is an expandable annunciator module which can be connected to a RAM-1032. A maximum of four RAX-1048 can be connected to the RAM-1032 Main Annunciator Chassis. As with the RAM-1032 Main Annunciator Chassis, the RAX-1048 has Bi-coloured LEDs which are automatically configured for either Alarm (Red) or Supervisory (Amber) to match the Series 1000 Fire Alarm Control Panel configuration. Each display point can be identified by the slide-in label that slides in beside the LED. It occupies one slot in the BB-1000 or BB-5000 enclosures. RAX-1048TZ is available with 48 Trouble LEDs.

RAM-1016 Main Annunciator Chassis

The RAM-1016 Main Annunciator Chassis is a non-expandable module used in the RA-1000 Series Remote Annunciators to provide control, indication of common annunciator functions and up to 16 points of annunciation. The RAM-1016 comes standard with Bi-coloured LEDs which are automatically configured for either Alarm (Red) or Supervisory (Amber) to match the Series 1000 Fire Alarm Control Panel configuration. The RAM-1016 is equipped with the same functions and features as the RAM-1032 Main Annunciator Chassis with the exception that it is non-expandable. It occupies one slot in the BB-1000 enclosures.

BB-1001 Semi-Flush Enclosure

The BB-1001 comes complete with a backbox, door and hinge. The enclosure door comes with a lexan window, two keys and a durable lock. The door comes hinged to the left side of the box. The box is capable of handling one RAM-1032 Main Annunciator Chassis which provides up to 32 points of annunciation.



BB-1001

BB-1002 Semi-Flush Enclosure

The BB-1002 comes complete with a backbox, door and hinge. The enclosure door comes with lexan windows, two keys and a durable lock. The door comes hinged to the left side of the box. The enclosure is capable of handling one RAM-1032 Main Annunciator Chassis and one RAX-1048 Adder Annunciator Chassis.



BB-1002

BB-1003 Semi-Flush Enclosure

The BB-1003 comes complete with a backbox, door and hinge. The enclosure door comes with lexan windows, two keys and a durable lock. The door comes hinged to the left side of the box. The enclosure is capable of handling one RAM-1032 Main Annunciator Chassis and two RAX-1048 Adder Annunciator Chassis.



BB-1003

BB-1008 Semi Flush Enclosure

The BB-1008 comes complete with a backbox, door and hinge. The enclosure door comes with lexan windows, two keys and a durable lock. The door comes hinged to the left side of the box. The enclosure is capable of handling up to one RAM-1032 Main Annunciator Chassis, four RAX-1048 Adder Annunciator Chassis and three additional slots for a combination of either fan damper modules, zoned audio paging modules and zoned fire fighters' telephone modules.

BB-1012 Semi Flush Enclosure

The BB-1012 comes complete with a backbox, door and hinge. The enclosure door comes with lexan windows, two keys and a durable lock. The door comes hinged to the left side of the box. The enclosure is capable of handling up to one RAM-1032 Main Annunciator Chassis, four RAX-1048 Adder Annunciator Chassis and seven additional slots for a combination of either fan damper modules, zoned audio paging modules and zoned fire fighters' telephone modules.

NOTE: All Series 1000 Enclosures are available in a beige colour for the Canadian market



Description

Mircom's FA-1012KA 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 FA-1012KA is a **non-expandable** fire alarm control panel which consists of one MCC-1012 Main Chassis in a BB-1024 Enclosure. The MCC-1012 Main Chassis comes complete with 12 Class B (Style B) Initiating Circuits and 2 Class B (Style Y) Indicating circuits which are each rated at 1.7 Amps. The Main Chassis also includes a 5 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-1012 also allows for the addition of either a UDCAT-100A Digital Communicator or a PR-100 Polarity Reversal/ City Tie module.

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.

Features

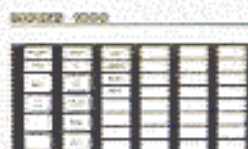
- 12 Class B (Style B) Initiating Circuits
- 2 Class B (Style Y) Indicating Circuits with individual trouble indicators (1.7 Amps max. per circuit)
- Each Indicating Circuit can be configured as Silenceable or Non-Silenceable. Audibles may be configured as Steady, Temporal Code, California Code or March 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 RAM-1016 Remote Multiplex Annunciator
- Easy configuration via push buttons and DIP switches on the front panel
- Extensive Transient Protection
- 5 Amp Power Supply
- Removable door for easy installation and servicing

Optional Modules

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



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Description

Mircom's FA-1008KA 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 FA-1008KA consists of one MCC-1024-6A Main Chassis in a BB-1024 Enclosure. The MCC-1024-6A 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 DM-1008A 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. 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-1024-6A also allows for the addition of two SGM-1004A Signal Modules or two RM-1008A Relay modules in place of the DM-1008A 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.

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

Optional Modules

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

