![Secutron logo]

MR-2351-LD-RA
Intelligent Fire Alarm Control Unit

Description

The MR-2351-LD-RA is a single loop fire alarm control unit that supports up to 126 points. The system can be expanded to a three loop 378 point system with the addition of an ALC-252 Dual Loop Controller Module. The MR-2351-LD-RA is equipped with a two line by 20 character back-lit LCD display, numerical keypad, an integrated UDACT/Digital Communicator and space for up to 64 zones of LED annunciation (requires optional RAX-332 modules). The LCD display allows for 32 characters to be configured for user defined messages. In addition the MR-2350 Series family also includes remote LED and LCD annunciators.

The MR-2351-LD-RA is ideal for both new and retrofit applications. Designed for small to medium commercial, institutional and industrial occupancies, these panels are powerful enough to meet today's installation demands. The MR-2351-LD-RA is configurable by the keypad for onsite programming or by a PC for both onsite and remote programming. Easy to install and simple to operate and configure, the MR-2351-LD-RA enables the installer to configure the system to meet their specific requirements.

The MR-2351-LD-RA is equipped with a 5.5 Amp power supply, auxiliary resettable smoke power supply (300mA max.), an interface for a Remote Trouble Indicator (SRTI-200) and an RS-485 interface for remote LCD and LED annunciators.

The MR-2351-LD-RA comes complete with a red door, black enclosure, durable CAT-30 lock and key and space to mount up to 18 AH batteries.

Features

- Single intelligent SLC Loop that supports 126 points. Expandable to 378 points with ALC-252 Dual Loop Controller Module
- Points can be any combination of Intelligent Sensors or Modules
- Supports Photoelectric Sensors, Variable Heat Sensors and Multi–Sensor (Heat/Photo)
- Equipped with 2 line by 20 character back-lit LCD display, numerical keypad and an integrated UDACT/Digital Communicator
- LCD display allows for 32 characters to be configured for user defined messages
- Digital Communicator can be configured for DACT or UDACT mode of operation
- Space for up to 64 zones of LED annunciation with optional RAX-332 programmable LED annunciator
- Configurable via the front panel, PC Configurator, or remote dial up through the built-in modem
- Sensors can be configured as Alarm, Verified Alarm, Latching or Non-Latching Supervisory, Monitor and Trouble-Only
- Modules can be configured as Alarm, Latching Supervisory, Non-Latching Supervisory, Water Flow, Monitor, Trouble, Fire Drill Switch, Signal Silence Switch, Aux Disconnect Switch and Buzzer Silence Switch
- Base panel is equipped with Four Class "B" (Style "B") indicating circuits which may be configured as Class "A" (Style "Z") using a Class "A" signal converter module
- Indicating Circuits may be configured as Silenceable or Non-Silenceable for both signals and strobes
- Built-in sync protocols for the following strobe manufacturers: Mircom, Amseco, System Sensor, Gentex, Faraday and Wheelock
- Relay contacts for Common Alarm, Auxiliary/Alarm (Disconnectable), Common Supervisory and Common Trouble
- Configurable Signal Silence Inhibit, Auto Signal Silence and One-Man Walk Test
- Subsequent Alarm, Supervisory, and Trouble operation
- RS-485 Interface for Remote LED and LCD Annunciators
- Positive Alarm Sequence
- Two event history logs comprised of a 200 event alarm log for alarm related events and a 200 event general log for all other events
- 5.5 Amp Power Supply
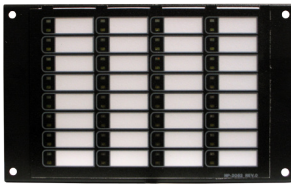- Optional City Tie/Polarity Reversal module

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Optional Adder Modules

RAX-332 Programmable LED Annunciator
The RAX-332 Programmable LED Annunciator provides the MR-2351-LD-RA with an additional 32 Programmable Alarm/Supervisory Bi-Coloured LEDs & 32 Trouble LEDs which can be configured as: Alarm (Red), Supervisory (Amber), Trouble (Amber) or Monitor (Amber). The RAX-332 mounts in the MR-2351-LD-RA enclosure.

ALC-252 Dual Loop Controller Module
The ALC-252 Dual Analog Loop Controller Module provides two additional Signaling Line Circuits (SLC) to the MR-2351-LD-RA consisting of 126 intelligent devices per loop. The ALC-252 mounts in the MR-2351-LD-RA enclosure.

MR-2300-NC4 Four Indicating Circuit Class "A" Converter Module The MR-2300-NC4 converts four Class "B" (Style "Y") output circuits on the MR-2350 to Class "A" (Style "Z") circuits. The MR-2300-NC4 is equipped with wire leads to connect to the MR-2350 main board.

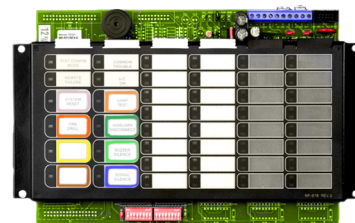**MR-2300-PR Polarity Reversal/City Tie Module**
The MR-2300-PR provides outputs for city box and polarity reversal applications. As a city tie module the MR-2300-PR provides an interface between the control unit's indicating circuits and a master box. As a polarity reversal module the MR-2300-PR provides an interface between the control unit and a reverse polarity receiver.

Remote Annunciators

MR-2300-LCDR Remote LCD Annunciator
The MR-2300-LCDR provides LCD remote annunciation through a 2 line by 20 character LCD display. The MR-2300-LCDR provides control switches for System Reset, Signal Silence, Fire Drill and Acknowledge as well as a numeric keypad to access the menu functions. The common control functions can be disabled on a per function basis. The MR-2300-LCDR has LED indicators for A.C. On, Alarm, Supervisory, Trouble and CPU Fail. The MR-2300-LCDR comes complete with a red enclosure and a CAT-30 Lock and key.

RA-1000 Series Remote LED Annunciators
The RAM-1016TZDS and RAM-1032TZDS Remote LED Annunciators provide 16 or 32 points respectively of LED annunciation. Both models come standard with bi-colored LEDs which are automatically configured for either Alarm (Red) or Supervisory (Amber). The annunciators have indicators for A.C. On, Common Trouble and Signal Silence and controls for System Reset, Lamp Test, Fire Drill, Buzzer Silence and Signal Silence. In addition both models allow for the control switches to be disabled on a per function basis. The RAX-1048TZDS connects to the RAM-1032TZDS to provide an additional 48 points of LED annunciation. All models mount in an MMX-BB-1000 Series enclosure.

Ordering Information

Model	Description
MR-2351 Intelligent Fire Alarm Control Unit	
MR-2351-LD-RA	Sinlge Loop, 126 Point Intelligent Fire Alarm Control Unit with built-in UDACT/Digital Communicator, red door and black back box. Expandable to 378 points with ALC-252 Dual Loop Controller Module. Dimensions (minus built-in trim ring): 26" H x 14.5" W x 4.2" D
Optional Adder Modules	
ALC-252	Dual Loop Controller Module
RAX-332	Programmble LED Annunciator with 32 programmable LEDs. Mounts in the MR-2351-LD-RA.
MR-2300-NC4	Four Indicating Circuit Class "A" Converter Module
MR-2300-PR	Polarity Reversal/City Tie Module
Remote Annunciators	
MR-2300-LCDR	Remote LCD Annunciator
RAM-1016TZDS	16 Zone Remote LED Annunciator with trouble LEDs. Mounts in an MMX-BB-1000 enclosure.
RAM-1032TZDS	32 Zone Remote LED Annunciator with trouble LEDs. Mounts in an MMX-BB-1000 enclosure.
RAX-1048TZDS	48 Zone Adder LED Annunciator with trouble LEDs. Connects to RAM-1032TZDS and mounts in an MMX-BB-1000 enclosure.
MMX-BB-1001R	Enclosure for RA-1000 Series Annunciators c/w red door. Houses 1 module.
MMX-BB-1002R	Enclosure for RA-1000 Series Annunciators c/w red door. Houses 2 modules.
MMX-BB-1003R	Enclosure for RA-1000 Series Annunciators c/w red door. Houses 3 modules.

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Catalog Number 1035 • Not to be used for installation purposes.

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