



# FIRE DETECTION AND ALARM SOLUTIONS



[Secutron.com](http://Secutron.com)

# TRUSTED FIRE DETECTION & LIFE SAFETY SYSTEMS

SECUTRON's complete range of technologically robust products are trusted by customers worldwide to safeguard what matters most.



Made in Canada

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# MR-401RP

## ADDRESSABLE FIRE ALARM CONTROL PANEL



Secutron's MR-401RP Fire Alarm Control Panel is a powerful addressable fire alarm control unit designed for small to medium sized commercial, industrial, and institutional buildings. Equipped with advanced features, the MR-401 delivers a dependable and economical solution for both new and retrofit applications. Available in single and multi-loop configurations, the MR-401 is engineered to offer exceptional flexibility, simple installation, and hassle-free operation.

### MR-401RP

- 1 to 3 loop panel that supports up to 720 addressable devices with optional loop adder module
- Supports up to 96 zones of LED annunciation with optional modules

### FEATURES & BENEFITS

- Non-proprietary technology, allowing for password protected panel configurator access
- 80-character backlit LCD display
- 4 Class A/B Notification Appliance Circuits (NACs)
- 1.5 Amps per Notification Appliance Circuit (NAC)
- Built-in POTS Digital Communicator for central station reporting
- Flexible zone and group configuration options
- Built-in sync protocols for most major manufacturers including MGC 400 Series LED notification devices
- Compatible with MRI-4000 Series addressable devices
- Supports conventional smoke detectors through optional zone interface module
- Supports Class A, B or X Signaling Line Circuit (SLC) wiring configurations
- Listed to UL864 10th Edition, ULC S527 4th Edition, FM Listed and City of Chicago, Class I and Class II Acceptable

# MRI-4000 SERIES

## ADDRESSABLE DEVICES



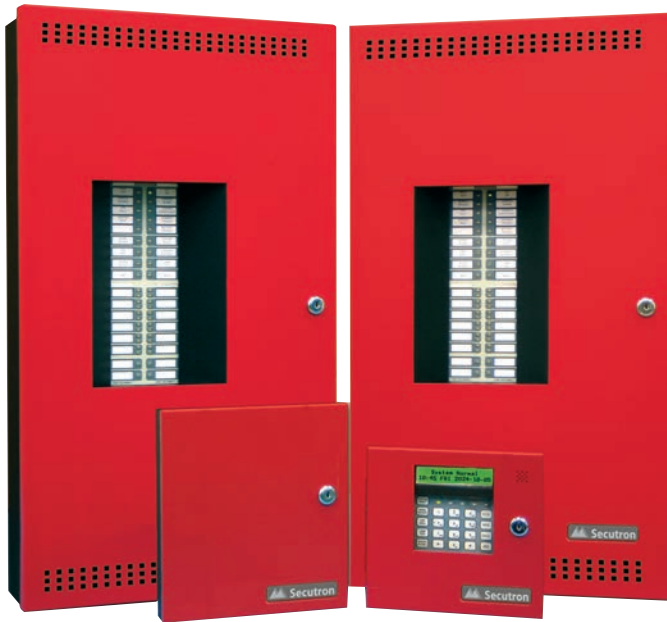
The MRI-4000 Series devices are comprised of advanced addressable detectors and modules for use with Secutron's addressable fire alarm control panels. The product family consists of addressable smoke detectors, heat detectors, monitor/control modules and mounting bases. With up to 240 addressable devices on a Signaling Line Circuit (SLC) loop, the MRI-4000 Series provide a robust and flexible solution for a wide variety of applications.

### FEATURES & BENEFITS

- Variety of addressable detectors that provide exceptional performance and functionality
- Extensive range of intelligent modules to meet virtually any requirement
- Selection of mounting bases to support a wide range of applications
- Compatible panels support up to 240 devices (any combination) per Signaling Line Circuit (SLC) loop
- Select devices support sub-addressing capabilities
- Spot detectors available with built-in isolation option (ISO models)
- Duct smoke detector features customizable remote testing and one-pipe design to ensure optimal performance
- All devices are easily configured using handheld programming tool

# MR-2300 SERIES

## CONVENTIONAL LED FIRE ALARM CONTROL PANELS



Secutron's MR-2300 Series conventional fire alarm control panels are multi-zone units designed for maximum flexibility, easy installation and worry-free operation. Equipped with advanced features, the MR-2300 Series panels provide a reliable and cost-effective solution for both new and retrofit applications. Available in eight and twelve zone configurations, the MR-2300 Series panels are designed for small to medium-sized applications and can be configured to meet specific building requirements.

### MR-2308-LDR

- 8 Class B Initiating Device Circuits (IDCs) and 4 Class B Notification Appliance Circuits (NACs)

### MR-2312-LDR

- 12 Class B Initiating Device Circuits (IDCs) and 4 Class B Notification Appliance Circuits (NACs)

### FEATURES & BENEFITS

- 1.7 amps per Notification Appliance Circuit (NAC)
- Integrated UDACT/Digital Communicator for central station reporting
- Optional internal relay circuit modules for applications that require additional relay functionality
- Supports MGC's SD-100 Series and System Sensor's i3 Series conventional smoke detectors
- Optional Class A Converter Modules that allow for full Class A configuration
- Built-in RS-485 interface that supports remote LCD and LED annunciators
- Built-in sync protocols for MGC 400 Series and most major manufacturers
- Listed to UL864 10th Edition and ULC S527 4th Edition

# MR-2320-R

## CONVENTIONAL RELEASING FIRE ALARM CONTROL PANEL



Secutron's MR-2320-R is a field configurable releasing control panel designed specifically for suppressing fires in high-risk environments. Intended for use with deluge sprinkler systems, pre-action sprinkler systems and agent release systems, the MR-2320-R controls the release of water or fire extinguishing agents in high-risk areas to prevent fast-spreading fires, minimizing the need for costly equipment replacement and preventing detrimental business disruptions.

### FEATURES & BENEFITS

- 6 Class B Initiating Device Circuits (IDCs) and 4 Class B Notification Appliance Circuits (NACs)
- 14 pre-configured modes of operation
- Simple front panel configuration
- Supports single and dual hazard applications
- Optional Class A converter modules
- Two event history logs
- Cross-zone capability
- Special power supply and releasing circuit protections
- Output Notification Appliance Circuits (NACs) can be configured for Steady or Escalating tone
- Soak Timer 0 to 15 minutes
- Abort Release Timer
- 6 Amps of Power
- Supports up to 6 remote annunciators
- Listed to UL864 10th Edition



# REMOTE ANNUNCIATORS

Secutron offers a wide variety of remote annunciators that are designed to give quick, clear, easy-to-read instructions, ensuring that in any emergency situation, information is presented in a way that's straightforward and actionable.

## LCD ANNUNCIATORS



### RAX-LCD-LITE REMOTE LCD ANNUNCIATOR

- 80-character backlit LCD display
- Mounts in an MMX-BB-1000DR enclosure
- Compatibility listed for use with the MR-401RP panel

### RAM-3500-LCD REMOTE LCD ANNUNCIATOR

- 80-character backlit LCD display
- Mounts in an MMX-BB-1000DR enclosure
- Compatibility listed for use with the MR-401RP panel

### MR-2300-LCDR CONVENTIONAL REMOTE LCD ANNUNCIATOR

- 40-character backlit LCD display
- Comes complete with enclosure
- Compatibility listed for use with the MR-2300 Series panels

## LED ANNUNCIATORS *(Compatible with all Secutron fire alarm control panels)*

### RAM-1032TZDS/RAM-1032TZDS-CC MAIN REMOTE LED ANNUNCIATOR

- Provides 32 points of LED annunciation
- Mounts in an MMX-BB-1000DR Series enclosure
- "CC" model is conformally coated and mounts in an MMX-BB-1000WPRA Series enclosure



### RAX-1048TZDS/RAX-1048TZDS-CC PROGRAMMABLE LED ANNUNCIATOR MODULE

- Provides 48 points of LED annunciation
- Connects to a RAM-1032TZDS annunciator or the MR-401 control unit
- Mounts in an MMX-BB-1000DR Series enclosure or the MR-401 enclosure
- "CC" model is conformally coated and mounts in an MMX-BB-1000WPRA Series enclosure



### MR-2312-ATR REMOTE LED ANNUNCIATOR *(Only compatible with MR-2300 Conventional Panels)*

- Provides 16 points of LED annunciation
- Mounts in a 4-gang electrical box



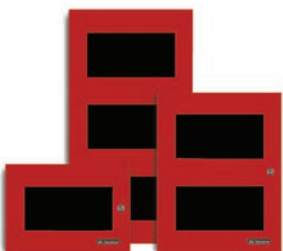
## ENCLOSURES

### MMX-BB-1000DR SERIES REMOTE ANNUNCIATOR ENCLOSURES

- Supports one, two or three RAM/RAX style annunciator modules
- For use with RAX-LCD-Lite, RAM-3318-LCD, RAM-3500-LCD, RAM-1032TZDS and RAX-1048TZDS

### MMX-BB-1000WPRA SERIES OUTDOOR WEATHER PROTECTED ENCLOSURES

- Supports one or two "Conformal Coated (CC)" style annunciator modules
- For use with RAM-1032TZDS-CC and RAX-1048TZDS-CC



# 400 SERIES

## NOTIFICATION APPLIANCES



Wall/Ceiling Mount  
Horns

Wall/Ceiling Mount  
Strobes

Wall Mount  
Horn/Strobes



Low Frequency  
Wall/Ceiling Mount Sounder



Low Frequency  
Wall Mount Sounder Strobe



Ceiling Mount  
Strobes



Ceiling Mount  
Horns/Strobes



Sync Module



Weather Protected  
Wall/Ceiling Mount  
Horn



Weather Protected  
Wall Mount  
Strobe



Weather Protected  
Wall Mount  
Horn/Strobe

### FEATURES & BENEFITS

- Advanced LED technology allows for a higher capacity of devices per circuit
- Multiple field selectable audible settings
- Horn/Strobe models available with standard and high candela settings in one unit
- Device settings are on the back to prevent tampering
- All models include a mounting plate that allow for the devices to be pre-wired
- Optional MRI-4050 sync module (use with any ULC S527 10<sup>th</sup> edition Fire Alarm Control Unit)
- Weather Protected options operate from -40°C to 66°C (-40°F to 151°F)

# CONVENTIONAL DEVICES & ACCESSORIES



### MRM-800 SERIES MANUAL PULL STATIONS

- Single stage, dual action pull stage operation that helps prevent unintentional activation
- Complies with ADA closed-fist operation

- Uses raised symbols and icons instead of printed text
- Durable Lexan® construction for long lasting performance
- Optional surface mount back box

### MRM-700 SERIES MANUAL PULL STATIONS



- Dual action operation
- Die-cast metal construction
- High-gloss red enamel finish
- Meets ADA 5 lbs. maximum manual-force
- Mounts on a standard single gang box
- Optional surface mount and weather-proof back boxes

### SD-100 SERIES PHOTOELECTRIC SMOKE DETECTORS



- Low profile design
- 2 & 4 wire models
- Available with fixed 135°F heat sensor
- Supports remote sensitivity reader
- All models include 6-inch mounting base

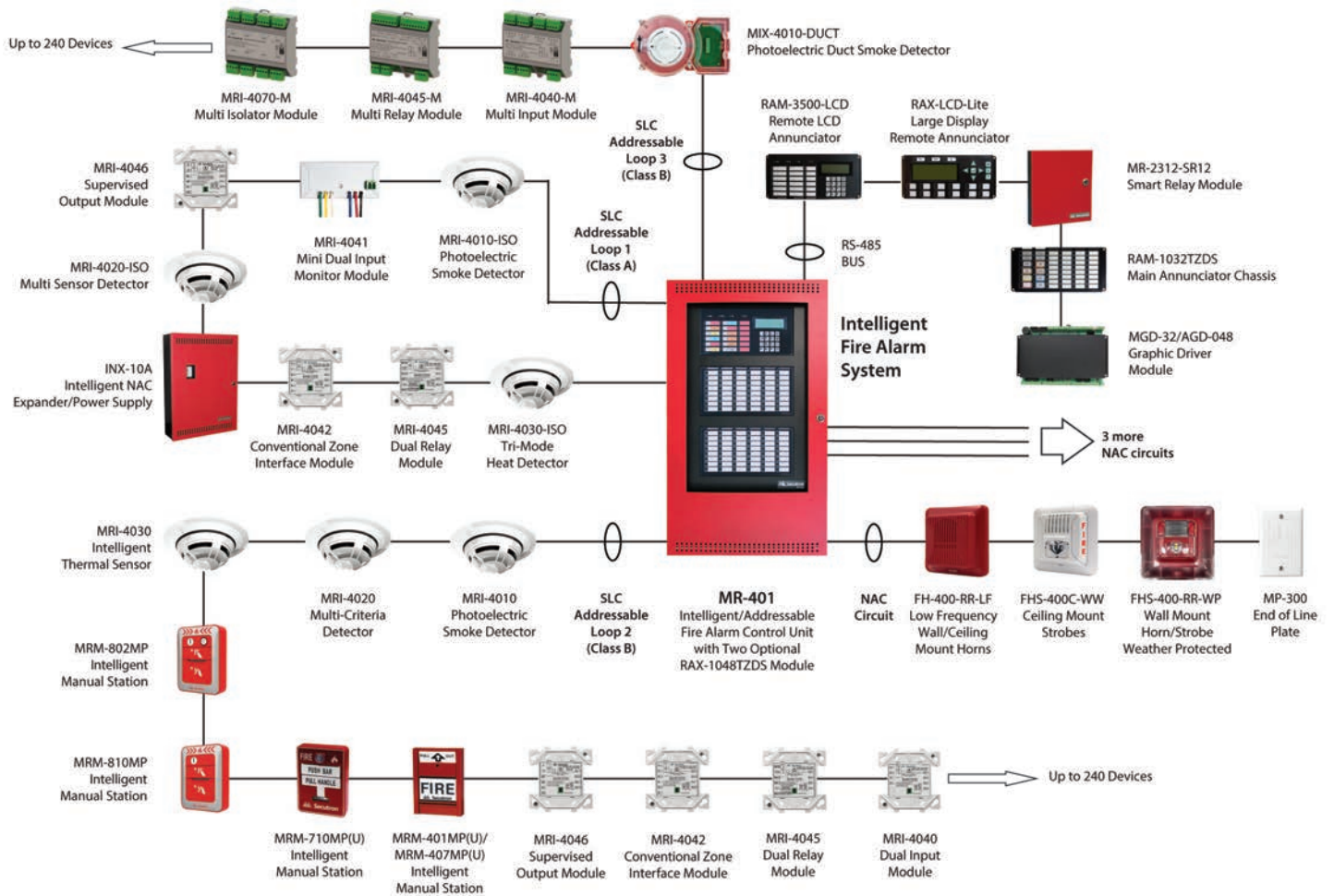


### INX-10A ADDRESSABLE NOTIFICATION APPLIANCE CIRCUIT (NAC) EXPANDER/POWER SUPPLY

- Addressable Notification Appliance Circuit (NAC) expander/power supply for use with Secutron addressable panels
- Compatible with any UL listed 24VDC fire alarm control panel
- Extends the power capabilities of existing Notification Appliance Circuits (NACs) as well as providing power for other ancillary devices
- 5 configurable outputs/10 Amps total
- Built-in sync protocols for MGC 400 Series and most major manufacturers

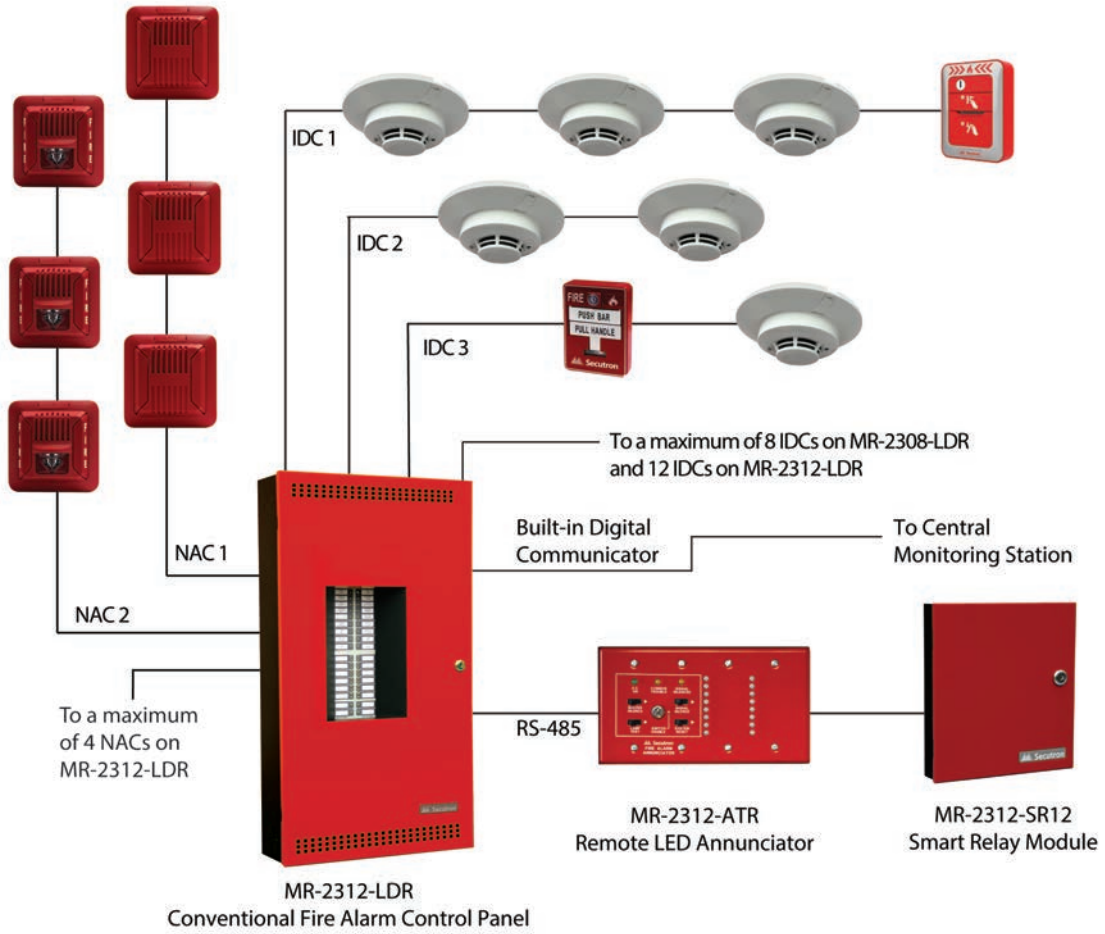
# COMPLETE FIRE ALARM SYSTEM

## MR-401RP NETWORK SYSTEM DIAGRAM



# MR-2312-LDR

## NETWORK SYSTEM DIAGRAM



# FIRE ALARM CONTROL PANELS REFERENCE GUIDE

Features	Addressable	Conventional			Releasing
	MR-401RP	MR-2308-LR	MR-2308-LDR	MR-2312-LDR	MR-2320-R
Number of Zones	Flexible	8 Class A or B	8 Class A or B	12 Class A or B	6 Class A or B
Number of Signaling Line Circuits (SLC)	1 (expandable to 3)	N/A	N/A	N/A	N/A
Number of Signaling Line Circuits (SLC) Devices	240-720	N/A	N/A	N/A	N/A
Signaling Line Circuits (SLC) Loop Style	Class A, B, X	N/A	N/A	N/A	N/A
Number of Integral Notification Appliance Circuits (NACs)	4 Class A/B	4 Class B	4 Class B	4 Class B	4 Class B
Notification Appliance Circuit (NAC) Rating	1.5 Amps/NAC	1.7 Amps/NAC	1.7 Amps/NAC	1.7 Amps/NAC	1.7 Amps/NAC
LCD Display Size	4x20 (80 characters)	2x20 (40 characters)	2x20 (40 characters)	2x20 (40 characters)	N/A
Built-in POTS Digital Communicator	YES	NO	YES	YES	NO
Number of Event Logs	2 (400 alarm & 400 general)	2 (200 alarm & 200 general)	2 (200 alarm & 200 general)	2 200 alarm & 200 general)	2 (200 alarm & 200 general)
Number of Remote Annunciators Supported	7	6	6	6	6
Built-in Strobe Synchronization (MGC, System Sensor, Wheelock, Gentex, Amseco)	YES	YES	YES	YES	YES
Max. System Power	5 Amps	5 Amps	5 Amps	5 Amps	5 Amps
Battery Charger Range	10-42AH	4-12AH	4-12AH	4-12AH	4-12AH
Max. Battery in Enclosure	18AH	12AH	12AH	12AH	12AH
Supports System Sensor i3 detectors with Freeze Warning	N/A	YES	YES	YES	YES
Built-in Sync-Selective Silence	YES	YES	YES	YES	N/A
Agency Listings	UL864 10th Edition, ULC S527 4th Edition, CSFM, NYC Fire Dept	UL864 10th Edition, ULC S527 4th Edition, CSFM, MEA	UL864 10th Edition, ULC S527 4th Edition, CSFM, MEA	UL864 10th Edition, ULC S527 4th Edition, CSFM, MEA	UL864 10th Edition, CSFM, MEA, FM



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