

MR-2320-R

Agent Release Control Panel



Description

Secutron's MR-2320-R is a dual releasing control panel that is field configurable for use on Deluge Sprinkler Systems, Pre-action Sprinkler Systems and Agent Release Systems.

The MR-2320-R is equipped with six Class "B" Initiating Device Circuits and four Class "B" output circuits rated @ 1.7 Amps maximum. (Total of 5 Amps) Optional Class A converter modules are available for both Initiating Device Circuits and Notification Appliance Circuits. In addition, both internal and external relays are supported by the MR-2320-R. The relays can be configured for both single and dual hazard applications.

The MR-2320-R is field configurable for three releasing type functions; Deluge, Pre-Action Sprinklers and Agent Releasing. The mode of operation is easily configured by selecting one of 14 pre-configured modes of operation. The simple configuration process is done via the front panel using the CFG-300 configuration tool thus eliminating the need for a laptop or complicated programming.

The MR-2320-R comes complete with a red door, black enclosure, durable CAT-30 lock and key and space to mount up to 12 AH batteries. An optional black trim ring is available for semi-flush mounting.

Features

- Listed to UL 864, 10th edition, ULC S527 Ed. 4
- Field configurable to operate with a Deluge Sprinkler System, a Pre-action Sprinkler System and an Agent Release System
- Six Class B Initiating Device Circuits
- Initiating Device Circuits One to Four can be configured as Non-Verified Alarm, Non Latching Supervisory, Latching Supervisory or Agent Release/Water Flow depending on the Mode of Operation selected
- Initiating Device Circuits Five & Six can be configured as Manual Release Input, Abort Input or Abort/Manual Release Combination Input depending on the Mode of Operation selected
- Initiating Device Circuits can be converted to Class "A" using the MR-2300-A Converter Module
- Four Class "B" Output Circuits which can be configured for Silenceable Signal, Non-Silenceable Signal, Silenceable Strobe, Non-Silenceable Strobe or Releasing Circuit (Circuits 3 & 4 Only)
- Notification Appliance Circuits can be converted to Class "A" using the MR-2300-NC2 Converter Module
- 5 Amp Power Supply
- 4-wire resettable smoke power 22.3 VDC @ 300ma max. Supervised Aux Power 22.3 VDC @ 500ma max.
- Aux Power (Unregulated) 24 VDC @ 1.7 Amp max.
- Relay contacts for Common Alarm, Hazard 1 Alarm, Hazard 2 Alarm, Auxiliary Alarm, Trouble or Supervisory.
- Cross Zone option
- Counting Zones option
- Output signals can be configured for Steady (fixed) or Escalating (tone changes as input operation changes)
- Release Timer 0 to 60 Seconds (5 second increments)
- Manual Release Delay 0 to 30 Seconds (5 second increments)
- Soak Timer 0 to 15 Minutes (21 Intervals)
- Abort Release Timer (Standard UL Type Delay, IRL Type Delay, NYC Type Delay, Local Jurisdiction Delay)
- Special Releasing Power Supply and Release Activation Considerations preventing false dumps
- Configurable to perform two hazard areas
- Simple panel programming through 14 Pre-Configured Modes of Operations



NYC
Fire Dept



Optional Modules

MR-2300-A Initiating Device Circuit Class “A” Converter Module

The MR-2300-A converts the six Class “B” Initiating Device Circuit on the MR-2320-R to Class “A” circuits. The MR-2300-A is equipped with wire leads to connect to the MR-2320-R main board.

MR-2300-NC2 Notification Appliance Circuit Class “A” Converter Module

The MR-2300-NC2 converts the two Class “B” Notification Appliance Circuits on the MR-2320-R to Class “A” circuits. The MR-2300-NC2 is equipped with wire leads to connect to the MR-2320-R main board.

MR-2306-R6 Relay Circuit Adder Module

The MR-2306-R6 provides six configurable relay circuits, rated @ 28 VDC, 1 amp (resistive). The MR-2306-R6 can be configured for single or dual hazard applications.

MR-2312-SR12 Smart Relay Module

The MR-2312-SR12 provides the same features as the MR-2306-R6 module. The MR-2312-SR12 provides twelve configurable relay circuits, rated @ 28 VDC, 1 amp (resistive). The MR-2312-SR12 comes with a red enclosure and is mounted remotely from the panel on an RS-485 connection.

Remote Annunciators

MR-2312-ATR Remote LED Annunciator

The MR-2312-ATR provides 16 points respectively of LED annunciation. This model features bi-coloured LEDs which are configurable for either Alarm (red) or Supervisory (amber). The LED annunciators have indicators for A.C. On, Common Trouble and Signal Silence and control switches for System Reset, Signal Silence, Lamp Test and Buzzer Silence. The MR-2312-ATR is equipped with a keyswitch which allows for enabling and disabling of the Common Control functions. Available in a red finish and mount in a 4-gang electrical box.

RAM-1032TZDS Main Remote LED Annunciator

The RAM-1032TZDS Main Remote LED Annunciator provides common annunciator functions and 32 points of LED annunciation. The RAM-1032TZDS has indicators for A.C. On, Common Trouble and Signal Silence and controls for System Reset, Lamp Test, Fire Drill, Buzzer Silence and Signal Silence. The RAM-1032TZDS occupies one display position in the MMX-BB-1000 Series enclosures.

Ordering Information

Model	Description
Control Panels	
MR-2320-R	Pre-Action/Deluge/Agent Releasing Panel
Remote Annunciators and Modules	
MR-2312-ATR	16 Zone Remote LED Annunciator
RAM-1032TZDS	32 Zone Remote LED Annunciator with individual Trouble LEDs
MR-2312-SR12	Smart Relay Module
MMX-BB-1001DR	Red, semi-flush enclosure for RAM-1032TZDS
Adder Modules	
MR-2300-A	6 Initiating Device Circuit, Class “A” Converter Module
MR-2300-NC2	2 Notification Appliance Circuits, Class “A” Converter Module
MR-2306-R6	6 Relay Circuit Adder Module
Accessories	
MR-2306-FT	Black, semi-flush trim ring for MR-2320-R enclosures
CFG-300	Configuration Tool (Required for programming)
MP-1500R	Current Limiter Module (Red plate)
MP-320R	Solenoid End of Line Module (Red plate)
SS-2004	Momentary Abort Station
MRM-810U	MRM-800 Series, 1 stage conventional double-action pull station, UL
MRM-710U	MRM-700 Series, dual action bilingual pull station, UL
MRM-703U	MRM-700 Series, Blue pull station, single action emergency w/2 form ‘C’ contacts, key resettable
MRM-704U	MRM-700 Series, Yellow pull station, single action emergency station w/2 form “C” contacts, key resettable
MRM-MPG1U	Single stage, conventional manual pull station
MRM-MPG2U	Dual stage, conventional manual pull station