PRE-ACTION/DELUGE/AGENT RELEASING PANEL   FR-320 SERIES

Features

- Field configurable to operate with a Deluge Sprinkler System, a Pre-action Sprinkler System and an Agent Release System
- Six Class B (Style B) Input Circuits
- Input 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
- Input 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
- Input Circuits can be converted to Class "A" (Style "D") using the ICAC-306 Converter Module
- Four Class "B" (Style "Y") Output Circuits which can be configured for Silenceable Signal, Non-Silenceable Signal, Silenceable Strobe, Non-Silenceable Strobe or Releasing Circuit (Circuits 3 & 4 Only)
- Output Circuits can be converted to Class "A" (Style "Z") using the OCAC-304 Converter Module
- 5 Amp Power Supply
- 4-wire 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 (Non Disconnectable), Auxiliary Alarm (Disconnectable), Common Supervisory (can be converted to common alarm if no Supervisory input) and Common Trouble
- 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 eleven Pre-Configured Modes of Operations
- Complies with UL 864 9th Edition requirements

Description

Mircom's FR-320 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 FR-320 is equipped with six Class "B" (Style "B") input circuits and four Class "B" (Style "Y") output circuits rated @ 1.7 Amps maximum. (Total of 5 Amps) Optional Class A converter modules are available for both input and output circuits. In addition both internal and external relays are supported by the FR-320. The relays can be configured for both single and dual hazard applications.

The FR-320 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 eleven pre-configured modes of operation. The simple configuration process is done via the front panel and requires no laptop or complicated programming.

The FR-320 comes complete with a red or white door, black enclosure, durable CAT-30 lock and key and space to mount up to 12 AH batteries. An optional trim ring is available for semi-flush mounting.

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Optional Modules

ICAC-306 Input Circuit Class "A" Converter Module
The ICAC-306 converts six Class "B" (Style "B" input circuits on the FR-320 to Class "A" (Style "D") circuits. The ICAC-306 is equipped with wire leads to connect to the FR-320 main board.

OCAC-304 Output Circuit Class "A" Converter Module
The OCAC-304 converts four Class "B" (Style "Y") output circuits on the FR-320 to Class "A" (Style "Z") circuits. The OCAC-304 is equipped with wire leads to connect to the FR-320 main board.

RM-306 Relay Circuit Adder Module
The RM-306 provides six configurable relay circuits, rated @ 28 VDC, 1 amp (resistive). The RM-306 can be configured for single or dual hazard applications.

SRM-312 Smart Relay Module
The SRM-312 provides the same features as the RM-306 module. The SRM-312 provides twelve configurable relay circuits, rated @ 28 VDC, 1 amp (resistive). The SRM-312 comes with a red enclosure and is mounted remotely from the panel on an RS-485 connection.

Remote Annunciators

RAM-208 Remote LED Annunciator
The RAM-208 provides eight points of LED annunciation and features bi-coloured LEDs which are auto-configurable for either Alarm (red) or Supervisory (amber). It has indicators for A.C. On, Common Trouble and Signal Silence and control switches for System Reset, Signal Silence, Lamp Test and Buzzer Silence. The RAM-208 is equipped with a keyswitch which allows for enabling and disabling of the Common Control functions. The RAM-208 is available in a red or white finish and mounts in a 4-gang electrical box.

RAM-1016/RAM-1016TZ Remote LED Annunciator
The RAM-1016 Remote LED Annunciator provides sixteen points of LED annunciation and comes standard with bi-coloured LEDs which are automatically configured for either Alarm (Red) or Supervisory (Amber). The RAM-1016 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. In addition it allows for the control switches to be disabled on a per function basis. The RAM-1016TZ has the same features and provides individual trouble LEDs. Both models mount in a BB-1000 series enclosure.

Ordering Information

Model	Description
Control Panels	
FR-320-W	Pre-Action/Deluge/Agent Releasing Panel (White enclosure)
FR-320-DW	Pre-Action/Deluge/Agent Releasing Panel with built-in UDACT (White enclosure)
FR-320-R	Pre-Action/Deluge/Agent Releasing Panel (Red enclosure)
FR-320-DR	Pre-Action/Deluge/Agent Releasing Panel with builit-in UDACT (Red enclosure)
Remote Annunciators and Modules	
RAM-208	Eight zone Remote LED Annunciator (White)
RAM-208R	Eight zone Remote LED Annunciator (Red)
RAM-1016	Sixteen zone Remote LED Annunciator
RAM-1016TZ	Sixteen zone Remote LED Annunciator with individual Trouble LEDs
SRM-312W	Smart Relay Module (White enclosure)
SRM-312R	Smart Relay Module (Red enclosure)
BB-1001	Enclosure for RAM-1016/RAM-1016TZ (White)
BB-1001R	Enclosure for RAM-1016/RAM-1016TZ (Red)
Adder Modules	
ICAC-306	Six Input Circuit Class "A" Converter Module
OCAC-304	Four Output Circuit Class "A" Converter Module
RM-306	Six Relay Circuit Adder Module
Accessories	
FA-300TRB	Black Semi-Flush Trim Ring for FR-320 enclosures
BA-110	12 Volt, 12 Ah Battery - 2 pcs required per panel

NOT TO BE USED FOR INSTALLATION PURPOSES.

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