

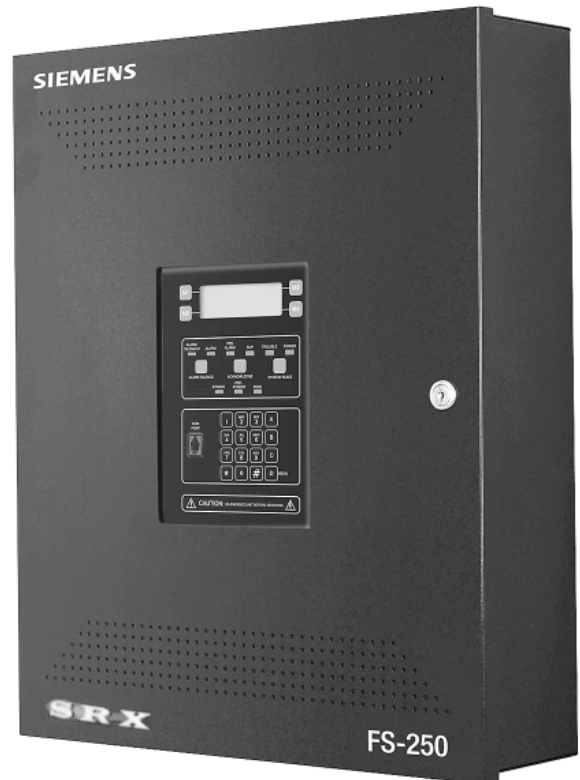
FS-250SRX Releasing System

Pre-Programmed, Addressable Releasing Control Panel

Models FS-250-SRX-EKIT, FS-250-ENCL and FS-250-ENCL-R

ARCHITECT AND ENGINEER SPECIFICATIONS

- One (1) intelligent signaling line circuit (Style 4 or 6) pre-configured as Style 4
- Address points 1 through 4 are pre-configured to use Model HTRI-D interface module for Manual Release stations and Abort switches
- Address points 5 through 20 are pre-configured to use Model HFP-11 detectors
- Address points 21 through 26 are pre-configured to use Model HTRI-M interface module for interconnection to Low-Pressure switches and keyed disconnects
- Auto program feature makes system commissioning more efficient
- Easily programmable from the front keypad
- *SureWire™* polarity insensitive loop wiring
- Utilizes H-Series detectors and devices
- Devices operate on standard wire (no twist or shield required)
- *FirePrint™* application-specific fire detection
- NAC circuits
 - NAC 1 (Class B) is pre-configured for First Alarm (pre-set to Temporal tone) / Pre-Discharge (pre-set to Steady tone)
 - NAC 3 (Class B) is pre-configured for discharge (pre-set to Steady tone)
 - NAC 2 (Class B) and NAC 4 (Class B) are pre-configured for general-alarm purposes
- Releasing Features
 - Pre-configured to support one releasing zone
 - Pre-configured with standard AHJ abort sequence
 - 1-inch tall, 3-inch wide numerical countdown-timer display (pre-configured with 30-second delay)



- Three (3) on-board, programmable relays, plus one (1) *Fail / Safe* relay for *Trouble* events
- Maintenance and technician-level passwords for added security
- UL 864 9th Edition Listed; FM, CSFM & NYMEA Approved

Product Overview

The FS-250SRX Releasing System is a pre-programmed, addressable releasing control panel that can be used exclusively with the Sinorix™ Engineered Fire-Suppression System.

Model FS-250-SRX-EKIT includes:

- One (1) system enclosure (Model FS-250-ENCL)
- One (1) electronics package (Model FS-250-CON2)
- Two (2) system transformers (Model FS-NPE)
- One (1) releasing transformer (FS-RPT)
- One (1) releasing module (FS-REL)

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Building Technologies Division

The releasing module, Model FS-REL, includes two (2), independent releasing circuits – each circuit rated at 1.5 Amp, but is pre-configured to support one (1) releasing zone.

The FS-250SRX fire alarm panel also provides four (4) different *Abort* options: Address points 1 through 4 are pre-configured to use Model HTRI-D interface module with 30-second delay, via the *Abort* Switch.

FS-250SRX 4312

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Product Overview – (continued)

A 1-inch tall, 3-inch wide numerical countdown-timer display is available at the main panel and at the optional FS-250SRX remote annunciator. Models FS-250-ENCL (Black enclosure) and FS-250-ENCL-R (Red enclosure) are the two (2) models available for the FS-250SRX Releasing System.

Specifications

The FS-250SRX Releasing System indicates *Alarm*, *Pre-Alarm*, *Supervisory* and *Trouble* conditions, via an 80-character maximum, backlit LCD display and integral system-status LEDs. *Acknowledge*, *Alarm Silence* and *System Reset* is each accomplished with built-in membrane control buttons. Basic user and maintenance level functions (such as *Viewing History* or *System Enable / Disable*) are also accomplished through the built-in membrane control buttons. Password protection of maintenance and tech-level functions is present. The FS-250SRX Releasing System can support 38 AH battery sets – up to 12 AH will fit inside the enclosure.

The basic FS-250SRX Releasing System features a single, Style 4 addressable signaling line circuit, pre-configured to support 26 addressable input devices:

- Address points 1 through 4 are pre-configured to use Model HTRI-D for Manual Release stations and Abort switches
- Address points 5 through 20 are pre-configured to use Model HFP-11 detectors
- Address points 21 through 26 are pre-configured to use Model HTRI-M for interconnection to Low-Pressure switches and keyed disconnects

Each detector can also have an optional audible detector base, relay detector base, or remote lamp associated with it. These auxiliary devices can be controlled through logic, or can be programmed to activate simultaneously with the detector.

The FS-250SRX Releasing System also has four (4) 'Class B' or two (2) 'Class A' notification-appliance circuits built into its main board. Each circuit has a capacity of 1.5 amps of 24VDC for powering horns, strobes, chimes, and other compatible notification appliances. The system capacity for the four (4) NAC circuits is 3.0 amps.

Each NAC is fully programmable, and supports standard, custom-coded outputs of audible devices.

Systems can be configured to sound different codes on the same NAC to indicate different conditions:

- NAC 1 (Class B) is pre-configured for *First Alarm / Pre-Discharge*
- NAC 3 (Class B) is pre-configured for *Discharge*
- NAC 2 (Class B) and NAC 4 (Class B) are pre-configured for general alarm events

The FS-250SRX Releasing System has three (3) programmable 'Form C' dry-contact relays. One (1) additional non-programmable 'Form C' dry-contact relay is provided that activates only on *Trouble* events – operating in *Fail / Safe* mode in order to activate if there is a system power failure. Each relay is rated at 1 amp @ 28VDC. Auxiliary 24VDC power is also available on the main board with a capacity of up to 0.5 amps.

Intelligent Addressable Device Loop

The FS-250SRX Releasing System utilizes the advanced P-2 protocol for the detection circuit. The P-2 loop features include SureWire™ technology, providing 252 input / output addresses, polarity insensitivity, response time under 3 seconds, and retrofit installations using almost any type of wire (i.e. – Shielded, Non-Shielded, Twisted, etc.)

The FS-250SRX Releasing System can be installed using any of the H-series P-2 devices, including the Model HFP-11 *FirePrint*™ detector. A low-cost, Model HFPO-11 detector is also offered, which is a non-*FirePrint* photoelectric device for the less-demanding, more cost-competitive applications.

If a detector accessory (such as a relay or audible base) is installed and an additional remote lamp is required, the Model ILED-HC or Model ILED-HW Intelligent Remote LED – which can be programmed to mimic the detector LED or can respond to panel logic – can be installed. (See the ILED installation or catalog sheet for details.)

Abort Station

Model AW-1 Abort Station employs a momentary, normally closed contact 'dead-man type' push-button switch, which – while held in – prevents discharge of the clean agent. Upon release of the push button, the Sinorix™ Engineered Fire-Suppression System will follow the sequence of events as programmed in the releasing panel, ultimately resulting in the release of the Sinorix agent.

Manual Release Station

The basic, standard model for the Manual Release Station is the double-action Model MH-501, which contains one normally open contact. Model MH-501 has a rating of 120VAC for connection to other systems.

Specifications – (continued)

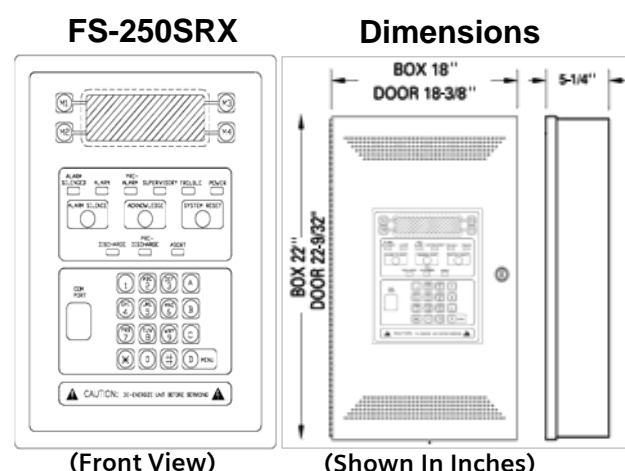
Manual Release Station

MH-501 is 'dual-action' type. Hence, it is necessary to operate the 'push-in' tab first to provide access to the 'pull-down' lever, which – when operated – locks in position after releasing a spring-loaded contact switch to effect actuation of the release circuit.

MH-501 is constructed of durable, molded polycarbonate material, matte-finished in red with raised lettering in white. Restoring the system to normal is only accomplished by opening the cover of the hinged housing with an 'uncommon tool', and then closing and locking its cover.

MH-501 is constructed with a molded housing, fitted with a 'Pull Down' lever and a 'Push In' tab.

The body of the MH-501 control is hinged to a back-plate assembly to which it is locked with a socket-head screw.



Technical Data

Environmental:	Operating Temperature: 32-120°F (0-49°C) Relative Humidity: up to 93% @ 90°F (32°C)
Primary Power Supply:	Primary Input Voltage: 120 VAC (60 Hz.) Maximum Primary Input Current: 2.4 Amps. @ 120 VAC
Secondary Power Supply:	24-volt, lead-acid battery with 7AH - 38AH capacity
Auxiliary Power Outputs:	Current - 0.5 Amp with resettable and non-resettable power outputs
System Status Relays:	Four (4) relays rated @ 1 Amp, 28 VDC resistive
Notification Appliance Circuits:	Rating per NAC circuit, 1.5A each, 6A max.
Battery:	Base cabinet accommodates a 12 AH battery set. Larger batteries require separate enclosures.
Dimensions:	<u>Enclosure only:</u> 22" (56cm.) x 18" (46cm.) x 5-1/4" (13.3cm.) deep <u>Enclosure with door:</u> 22-9/32" (56cm.) x 18-3/8" (46cm.) x 5-1/4" (13.3cm.) deep

The SRX Advantage

The FS-250SRX Releasing System offers protection of an organization's most critical assets, and presents the most advanced detection technologies available on the fire-safety market – all at a conventional price.

- ✓ A laptop PC is not required for programming, due to the manual *Auto Program* feature of the FS-250SRX Releasing System
- ✓ Less wiring is involved in the FS-250SRX Releasing System than with other conventional systems

The *Auto Program* feature and less wiring dramatically reduce the time needed for installation. Further, it takes less time to install a FS-250SRX Releasing System, compared to other competitive, conventional releasing panels. An added benefit to the FS-250SRX Releasing System is the option of having password protection, which secures this product from tampering and non-authorized service.

Details for Ordering

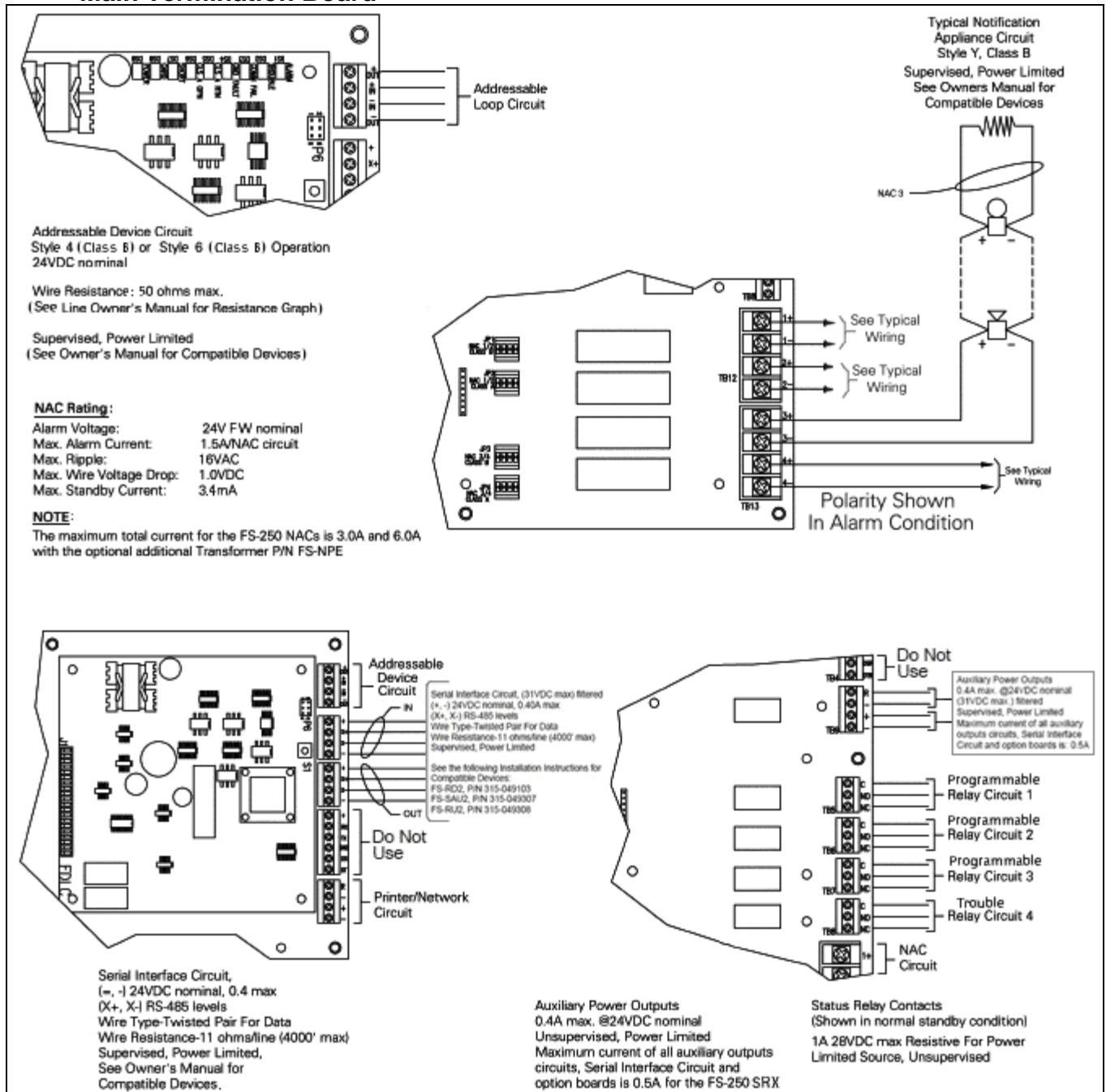
Model Number	Part Number	Description
FS-250-SRX-EKIT	599-050589	FS-250SRX Electronics Package Includes: FS-250-CON2 (1 Qty.) FS-NPE (2 Qty.) FS-RPT (1 Qty.) FS-REL (1 Qty.)
FS-250-ENCL	500-648952	FS-250 Enclosure, Black
FS-250-ENCL-R	500-648953	FS-250 Enclosure, Red

Note: FS-250SRX Electronics Package must be ordered with the Sinorix™ cylinder assembly and Sinorix agent.

Optional Accessories

Model Number	Part Number	Description
FS-RD3-R	500-649910	Remote Annunciator, Red
FS-RD3	500-649700	Remote Annunciator, Black
FS-RU2	500-649308	Relay Processor Card
FS-RE8	500-699467	8-Relay Extender
FS-SAU2	500-649307	Serial Annunciator Processor Card
FS-SAE16	500-699469	16-Output Annunciator Extender
FS-DACT	500-699464	Serial Digital Alarm Comm. Transmitter (DACT)
FS-MT	500-699462	Municipal Tie Module
FS-CT2	500-649380	Cable & Programming Software
FS-SFT-R	500-648955	Semi-Flush Trim, Red
FS-SFT	500-648954	Semi-Flush Trim, Black
HFPO-11	500-034800	Photo-Only Detector
HFP-11	500-033290	FirePrint Detector
HFPT-11	500-033380	Thermal Detector
RL-HC	500-033230	Remote Lamp, Ceiling
RL-HW	500-033310	Remote Lamp, Wall
ILED-HC	500-048809	Intel Lamp, Ceiling
ILED-HW	500-048837	Intel Lamp, Wall
AD2-HR	500-649708	Air-Duct Housing with Relay
AD2-P	500-649706	Air-Duct Housing
CPY-MRS	500-697964BG	Main / Reserve Selector Switch
AW-1	500-822500	Abort Station
MH-501	500-622543	Agent Release: Dual-Action, Manual Pull Station
HMS-S	500-033200	Single-Action Manual Station
HMS-D	500-033400	Dual-Action Manual Station
HMS-M	500-033450	Metal Manual Station
HTRI-S	500-033370	Single-Input Monitor Module
HTRI-D	500-033360	Dual-Input Monitor Module
HTRI-R	500-033390	Single Input w/ Relay Module
HTRI-M	500-034000	Mini Single-Input Module
HLIM	500-033170	Line Isolator
HZM	500-034850	Conventional-Zone Module
DPU	500-033260	Device Programming / Loop Unit
DPU-PRT	500-034020	Label Printer with Carrying Case
DPU-C1	500-033990	DPU Carrying Case

Wiring Diagram Main Termination Board



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Notice: This marketing catalog sheet is not intended to be used for system design or installation purposes.
For the most up-to-date information, refer to each product's installation instructions.