



Fire Sentinel[®]

Electromechanical Fire Door Release Device*

A UL-listed, time-delay door release device that directs a fire door's closure in a fire or alarm situation.

- Floor-level testing, reset and trouble indication available for ease of operation
- Intelligent operation feature recognizes when the door is closed, inhibits release to eliminate time-consuming resets and prevents damage to the door release mechanism**
- All models available in 120V AC or 24V DC
- Battery back-up provides extra protection in the event of a power loss (FSBX and FSCX models).
- Diagnostic capabilities via LED status lights confirm the operation of the unit
- 10-second time-delay on alarm (up to 60-seconds optional) as allowed by Authority Having Jurisdiction
- Optional alarm on power loss provides additional safety measure (FSBX and FSCX models)
- Relay contact outputs can be utilized to indicate active alarm and troubles
- Sounder/strobe alarm available (standard on FSCX model)
- UL 864 and NFPA[®] 72 compliant
- Compatible with UL 325 complaint operators - maintains stop on obstruction†

* As defined by NFPA[®] 80.

** For non-motorized doors, this feature requires a proximity switch.

† Available on FSCX models only.

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Fire Sentinel® Features and Benefits by Model

Design Features	Benefits	S=Standard offering			O=Optional	
		Mechanical closure FSAX24V	FSBX24V	FSBX120V	Motorized closure FSCX24V	FSCX120V
Adjustable alarm time delay	10-60 seconds as allowed by Authority Having Jurisdiction	S	S	S	S	S
Aux. 24V DC output	Can be used to activate additional power devices	S	S	S	S	S
Internal battery with charger	Back-up power to avoid automatic closure during power failures		S	S	S	S
Audible/visual enunciator	ADA sounder/strobe warning before door closure	O	O	O	S	S
Fail-to-close safety timer	Additional assurance of maximum possible closure				S	S
Stop on obstruction	Assurance of maximum possible closure even with obstruction				S	S
Drop on obstruction	Assurance of maximum possible closure even with obstruction	S	S	S	S	S
Floor-level trouble indicator	Visual indication of trouble from floor	S	S	S	S	S

FSAX24V - Electromechanical Fire Door Release Device

- Voltage input 24V DC
- The unit can support 2 or 4 wire smoke detector system (maximum of 2 Class B Style A detectors. Release devices are normally open contacts.)
- Alarm time delay: Factory set at 10 seconds can be field adjusted by dipswitch settings to 20 and 60 seconds
- Unit can power an optional ADA sounder/strobe 24V DC
- Load rating: Support and release 40 lbs. maximum
- Box dimension: 11 7/16" x 10 1/4" x 5 1/8" (h x w x d)
- Approximate weight is 8 lbs.

FSBX24V - Electromechanical Fire Door Release Device

- Same features as FSAX24V with 24 hour battery back-up
- Unit can power an optional ADA sounder/strobe 24V DC
 - Box dimension: 11 7/16" x 10 1/4" x 5 1/8" (h x w x d)
 - Approximate weight is 18 lbs.

FSBX120V - Electromechanical Fire Door Release Device

- Same features as FSBX24V except with voltage input 120V AC
- Approximate weight is 19 lbs.

FSCX24V - Electromechanical Fire Door Release Device

- Voltage input 24V DC
- Voltage output 24V DC
- The unit can support 2 or 4 wire smoke detector system (maximum of 2 Class B Style A detectors. Release devices are normally open contacts.)
- 24 hour battery back-up
- Unit requires the use of an electric safety-edge
- Unit is wired into electric operator to drive door close on alarm
- Unit is supplied with a combination ADA sounder/strobe
- Alarm time delay: Factory set at 10 seconds can be field adjusted by dipswitch settings to 20 and 60 seconds
- Load rating: Support and release 40 lbs. maximum
- Box dimension: 11 7/16" x 10 1/4" x 5 1/8" (h x w x d)
- Approximate weight is 19 lbs.

FSCX120V - Electromechanical Fire Door Release Device

- Same features as FSCX24V except with voltage input 120V AC
- Approximate weight is 20 lbs.

Model	Physical Dimension (h x w x d)	Voltage Requirements	Supervisory	Alarm	Approx. Weight
FSAX24V	11 7/16" x 10 1/4" x 5 1/8"	24V DC	.385 A	.610 A	8 lbs.
FSBX24V	11 7/16" x 10 1/4" x 5 1/8"	24V DC	.385 A	.610 A	18 lbs.
FSBX120V	11 7/16" x 10 1/4" x 5 1/8"	120V AC	.430 A max	.430 A max	19 lbs.
FSCX24V	11 7/16" x 10 1/4" x 5 1/8"	24V DC	.385 A	.610 A	19 lbs.
FSCX120V	11 7/16" x 10 1/4" x 5 1/8"	120V AC	.430 A max	.430 A max	20 lbs.