RSX® FIRE DOOR OPERATOR

STANDARD DUTY COMMERCIAL OPERATOR

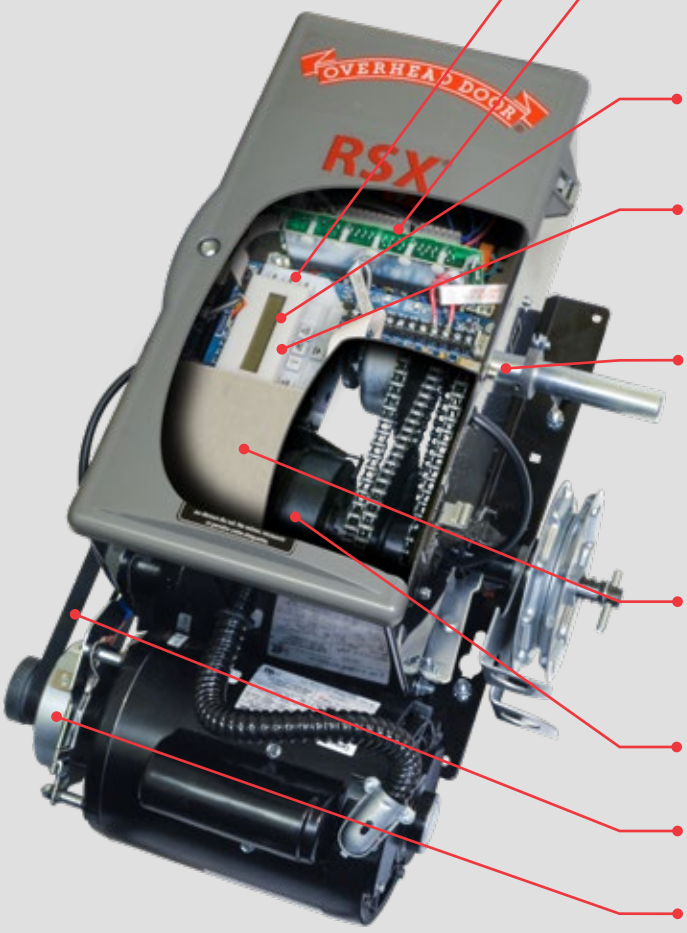


ADVANCED INNOVATION.
SUPERIOR FUNCTIONALITY.

The Genuine. The Original.

OVERHEAD DOOR®

RSX® FIRE DOOR OPERATOR



Standard Features At a Glance

Easy Limit Setting with LimitLock®
An electro/mechanical limit sensor that makes it easy to set and maintain limits.

Fire Door Operator Module
The FDO module controls fire door release functions, receives initiating device input and provides warning notification of an impending closure of door.

16-character LCD Display
Simplifies installation and troubleshooting. Intelligent menu structure and expanded self-diagnostics.

Adjustable Timed Close Feature
Standard feature on the main logic board can close door automatically. Timer can be set from zero seconds to five minutes through the LCD display.

Advanced Radio Receiver System with Auto Seek Frequency Range
Quickly and easily learns up to 250 CodeDodger® transmitters. This system will automatically cycle between 315 and 390 frequencies. Can add and delete transmitters from the menu and easily identify which transmitters are operating the door.

Voltage Freedom with Voltamatic®
Voltamatic® provides 115/208/230V single phase in one unit, and 208/230/460V three phase in another unit. A separate 575V three phase unit is also available.

Governor
Controls rate of door descent.

Auto-tensioning SuperBelt®
Automatically adjusts itself to the correct tension.

Progressive Braking*
An advanced DC brake system similar to anti-lock brakes brings the door to a soft stop for less wear and tear on the system.

FM Approved
The Factory Mutual Approval certification mark indicates that the product will meet the stated conditions of performance, safety and quality for Fire Door Assemblies FM Class Number 4100.

UL325 Compliant
This standard requires the addition of monitored external entrapment devices prior to the operator working in momentary contact in the close direction.

*Patents # 6,737,823 and # 6,388,412

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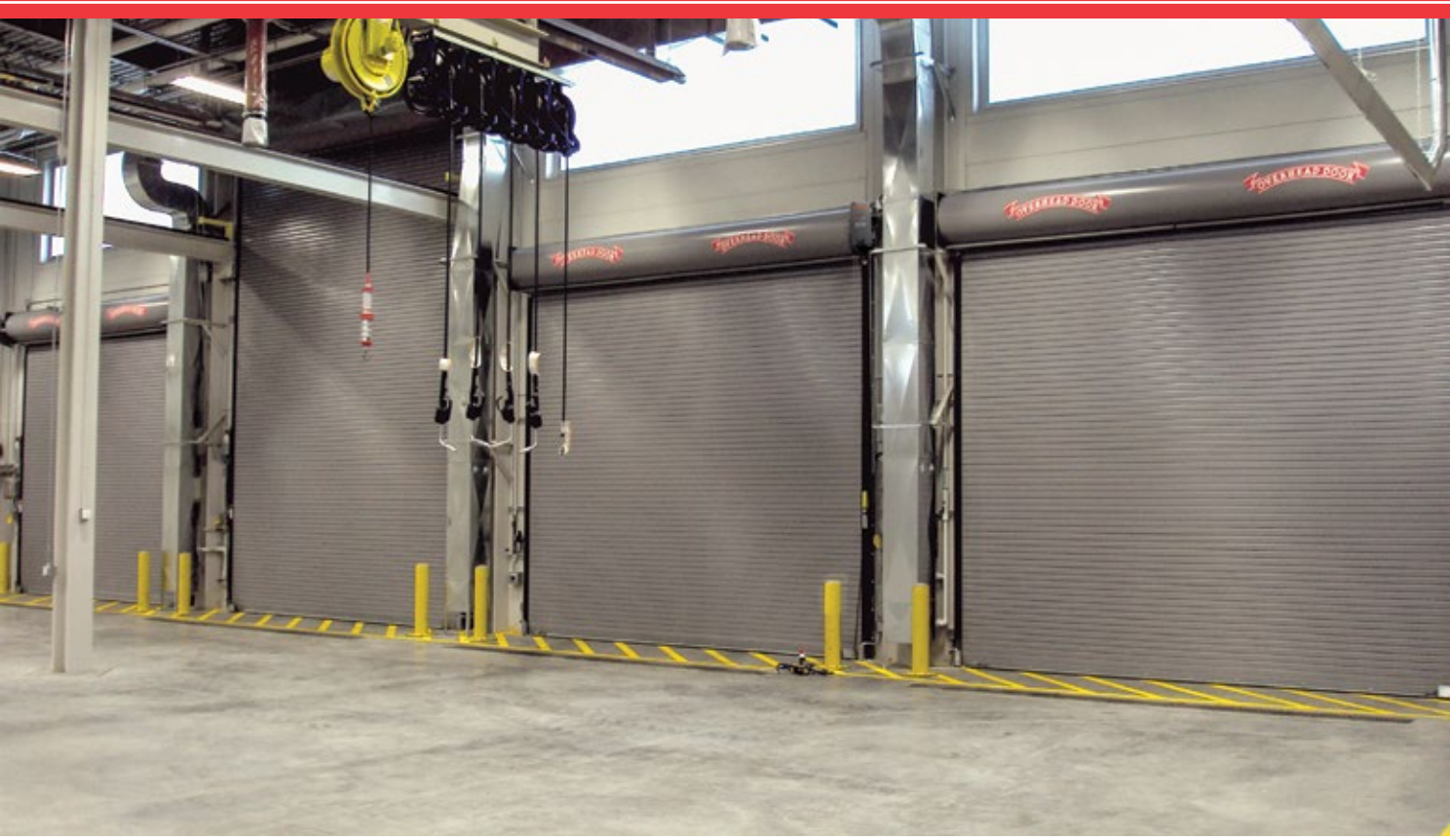
RSX® Fire Door Operator Door Application Chart

RSX® Fire Door Operator Selection Guideline*											
	Door model	630									
	Slat type	C-187			C-275				F-265		
Horsepower	Gauge	22 gauge steel	20 gauge steel	18 gauge steel	22 gauge steel	20 gauge steel	18 gauge steel	16 gauge steel	22 gauge steel	20 gauge steel	18 gauge steel
All HP	Minimum Sq. Ft	49	49	36	49	36	36	25	49	36	36
1/2 HP	Maximum Sq. Ft.	168	196	169	168	144	121	100	168	144	121
3/4 HP	Maximum Sq. Ft.	168	289	225	168	225	196	169	168	225	196
1 HP	Maximum Sq. Ft.	168	400	361	168	324	324	256	168	361	324

RSX® Fire Door Operator Selection Guideline*											
	Door model	631		634						635	
	Slat type	C-187	F-265	C-187		C-275		F-265		F-265	
Horsepower	Gauge	24 gauge steel	24 gauge steel	20 gauge steel	18 gauge steel	20 gauge steel	18 gauge steel	20 gauge steel	18 gauge steel	24/24 gauge steel	22/24 gauge steel
All HP	Minimum Sq. Ft	64	49	49	36	36	36	36	36	25	25
1/2 HP	Maximum Sq. Ft.	168	168	196	169	144	121	144	121	81	81
3/4 HP	Maximum Sq. Ft.	168	168	289	225	225	196	225	196	144	121
1 HP	Maximum Sq. Ft.	168	168	400	361	324	324	361	324	196	169

* This chart is a general guideline to help with the quoting process to minimize errors. Rolling Fire Door is a highly complex and configured product. Consult factory for accuracy specifying operator horsepower, door height, door width, and slat type requirements.

RSX® Fire Door Operator



Optional Accessories

Accessory	Description
Fire Detection and Notification Devices 	• **Notification devices** – light, horn and horn/strobe for audible and visual signalling of alarm condition. One horn/strobe device included with the RSX® Fire Door Operator. • **Detection devices** – heat detectors and heat/smoke detectors available for detecting alarm conditions due to heat or smoke.
Auxiliary Modules 	• **Timer to Close Module*** – provides auxiliary control inputs, auxiliary safety inputs, auxiliary timer hold input, and an automatic door closing feature with a user- selectable time delay. Safety inputs can be enabled or disabled using the on board keypad. A sensing device must be used with this module. • **Auxiliary Output Module*** – this plug-in module will provide several auxiliary sets of dry contacts that are microprocessor controlled. Outputs can be configured using the on-board keypad. *Only one auxiliary module can be added to the RSX® Fire Door Operator.
Sensing Edges 	• **Bottom Sensing Edge** – stops and reverses the door upon contact with an obstruction. The RSX® Fire Door Operator stop on obstruction feature can be configured for one, or three, close operations before the door aborts attempts to close and either stops on an obstruction or releases mechanically. MillerEdge® ME or MT Series DC/T3 monitored sensing edges must be used on RSX® Fire Door Operator.
Transmitters 	**Radio transmitters** – available with single-button, two-button, three-button, four-button, or Open-Close-Stop. They are easily programmed or erased using the LCD display. The patented CodeDodger® technology cycles between 315 and 390 MHz with the touch of a button.

RSX® Fire Door Operator Advantages

Floor Level Auto-reset

No manual intervention is required to reset fire door operator after a fire alarm or drop test. Door may be motor operated normally upon reset of the fire alarm signal, and test key switch.

Sash Chain Release Ready

Allows for sash chain release for jurisdictions that require a fusible link.

24 Hour Battery Backup

Battery backup provides extra protection in the event of a power loss.

Auto-open

Operator can be configured for the fire door to automatically open after reset of the test key switch.

Timed Delay on Alarm

Operator includes a configurable time delay after alarm or test signal activation before dropping the door.

LCD Configuration

Fire door and standard door functions are easily configured with built-in LCD display.

Included Accessories

Operator comes with a horn strobe and test key switch, eliminating need to purchase these items separately.

Mounting

Secure mounting options are available to fit any application including:

Front of hood or top of hood mount. Hoist models are left-hand or right-hand. RSX® Fire Door Operator mounts similar to a standard service operator reducing installation time.

Motor

Continuous duty motor available in ½, ¾ and 1 horsepower, single or three-phase.

Drive Reduction

Primary reduction is SuperBelt®, an auto tension poly-V flex belt that does not require adjustment. Secondary reduction is by chain and sprocket.

Timed Close

Doors can be set to automatically close after a zero second to five minute delay.

Mechanical Brake System

24V DC Disc Brake. Fewer mechanical parts for improved reliability.

Clutch

Adjustable disc-type helps protect door and operator from major damage should the door meet an obstruction.

Cycle Counter

LCD (liquid crystal display) clearly indicates the exact number of cycles logged for easy preventative maintenance and support.

On-board Radio Receiver

This standard feature can add radio functionality to every job with no additional cost for the receiver. Stores up to 250 CodeDodger® transmitters with dual frequency cycling.

Limited Warranty

RSX® Fire Door operator features a 2-year or 20,000 cycle limited warranty. See installation manual for complete limitations and details.





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The original, innovative choice for unequalled quality and service.

Overhead Door Corporation pioneered the sectional garage door industry, inventing the first sectional garage door in 1921 and the first electric door operator in 1926. Today, we continue to be the industry leader through the strength of our product innovation, superior craftsmanship and outstanding customer support, underscoring a legacy of quality, expertise and integrity. That's why design and construction professionals specify Overhead Door™ products more often than any other brand. Our family of over 400 Overhead Door™ Distributors across the U.S. and Canada not only share our name and logo, but also our commitment to excellence.

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