

# RSX®

## STANDARD DUTY COMMERCIAL OPERATOR



**ADVANCED INNOVATION.  
SUPERIOR FUNCTIONALITY.**



INDUSTRY LEADING  
COMMERCIAL & INDUSTRIAL SOLUTIONS

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## Standard features at a glance

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### 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.

### Easy limit setting with LimitLock®

An electro/mechanical limit sensor that makes it easy to set and maintain limits.

### Advanced radio receiver system with auto seek frequency range

Quickly and easily learns up to 250 CodeDodger® equipped transmitters. This system will automatically cycle between 315 and 390 frequencies. It can add and delete transmitters from the menu and easily identify which transmitters are operating the door.

### 16-character LCD display

Simplifies installation and troubleshooting. Intelligent menu structure and expanded self-diagnostics.

### 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.

### Auto-tensioning SuperBelt®

Automatically adjusts itself to the correct tension.

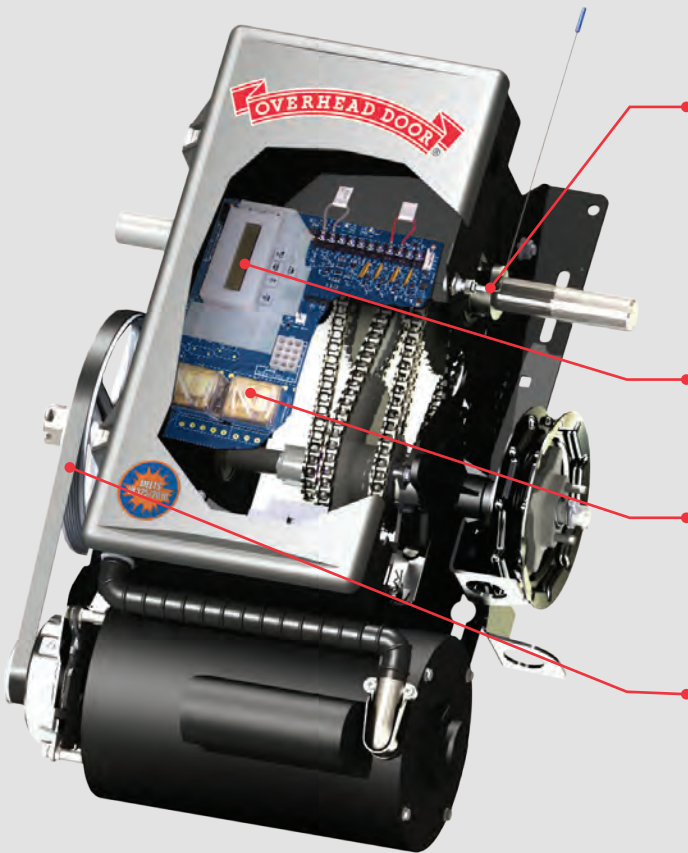
### UL325 2010 compliant

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

### Adjustable timed closed feature

Standard feature on the main logic board can close door automatically. Timer delay can be set from zero to five minutes in two second increments through the LCD display.

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



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## Sectional Steel Door square foot limits

Commercial Steel Insulated & Non-insulated													
Model	HP	UL Listed	Door Series →		416	418	420	422	424	426	430	432	470
			Mounting type	Max. door weight (Lbs)	16 GA. flush steel	16 GA. flush steel insulated	20 GA. ribbed steel	20 GA. ribbed steel insulated	24 GA. ribbed steel	24 GA. ribbed steel insulated	Normal 24 GA. ribbed steel	Normal 24 GA. ribbed steel insulated	Styrene steel back insulated
RSX®	1/2	Yes	TSC	1120	294	230	366	294	448	330	326	326	281
RSX®	3/4	Yes	TSC	1370	366	294	448	366	490	406	326	326	281
RSX®	1	Yes	TSC	1620	448	366	536	448	536	490	326	326	281

Thermacore													Aluminum	
Model	HP	UL Listed	Door Series →		591	592	593	594	596	598	599	850	511	521
			Mounting type	Max. door weight (Lbs)	Ribbed steel 1-5/8"	Ribbed steel 2"	Ribbed steel 1-3/8"	Raised panel steel 1-3/8"	20 GA. flush steel 2"	Ribbed steel 1"	Ribbed steel 2"	20 GA. flush steel 3"		
RSX®	1/2	Yes	TSC	1120	406	406	326	326	360	200	406	360	326	406
RSX®	3/4	Yes	TSC	1370	490	448	326	326	404	200	448	400	326	506
RSX®	1	Yes	TSC	1620	591	494	326	326	448	200	494	460	326	526

T = Trolley S = Jackshaft, Side Mount C = Jackshaft, Center Mount

Note: Total door weight, and not the square footage, is the critical factor in selecting the proper operator. Square foot measurements are based on "square doors". (Example = 16' x 16')

Note: Doors that require special windloading and wide doors normally require increased strutting (reinforcement). Strutting doors can significantly increase door weight beyond maximum weight shown. Consult the technical support group at 1-800-275-6187.

## Rolling Steel Door square foot limits

Model	HP	UL listed	Rolling Steel Doors									
			600	610/620			625			627		
			Coil-Away™	22 GA.	20 GA.	18 GA.	24 GA.	22 GA.	20 GA.	18 GA.	24 GA.	22 GA.
RSX®	1/2	Yes	256*	292	255	194	179	156	145	123	190	192
RSX®	3/4	Yes	256*	375	327	249	230	200	185	158	228	192
RSX®	1	Yes	256*	480	419	319	294	256	237	202	266	252

Model	HP	UL listed	FireKing® Rolling Fire Doors/Shutters					Counter	Grilles		
			635**		630/631/634**			640/641	650/651/652	670	671
			24/24 GA.	22/24 GA.	22 GA.	20 GA.	18 GA.	22 GA.	22 GA. /Alum	Alum	Steel
RSX®	1/2	Yes	100	81	168	169	132	N/A	All*	450	156
RSX®	3/4	Yes	100	81	168	169	132	N/A	All*	500	215
RSX®	1	Yes	100	81	168	169	132	N/A	All*	600	285





Note: Door chart represents max. door height of 24ft., over 24ft high consult factory.

\* Operator must be wall mounted.

\*\* Must use the Auxiliary Input/Output Module part number OPABIOXS when used in conjunction with a Fire Sentinel® Release Device.



## Optional accessories

Accessory	Description
<p><b>Transmitters</b></p> 	<p>The RSX® operator features a built-in Radio Receiver System that can store up to 250 transmitters, giving the customer the ability to identify which transmitters have been operating the door. Radio transmitters may be 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.</p>
<p><b>Motors</b></p> 	<p>The following motors are available when specified*:</p> <ul style="list-style-type: none"> <li>• <b>Totally Enclosed Non Ventilated (TENV)</b></li> <li>• <b>Totally Enclosed Fan Cooled (TEFC)</b></li> <li>• <b>Environmental modifications: TENV, TEFC, NEMA 4 and NEMA 4X</b></li> </ul>
<p><b>Auxiliary modules</b></p> 	<ul style="list-style-type: none"> <li>• <b>Timer to Close Module</b> – 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 monitored safety edge or photo eyes must be installed when using the timer to close feature.</li> <li>• <b>Auxiliary Output Module</b> – 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.</li> </ul>
<p><b>Sensing devices</b></p> 	<ul style="list-style-type: none"> <li>• <b>Bottom Sensing Edge</b> – stops and reverses the door upon contact with an obstruction.</li> <li>• <b>Safe-T-Beam®</b> – senses an obstruction and signals the operator to stop or reverse the door.</li> </ul>

\*TENV, TEFC, NEMA 4 and NEMA 4X environmental options not available on all horsepower models. See price book for details.



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## RSX® advantages

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### Mounting

A wide variety of mounting options are available to fit any application including:

**Sectional Doors:** Standard, side mount, and dual trolley applications. Side mount and center mount direct couple to the door shaft with or without hoist. Hoist models are left-hand or right-hand.

**Rolling Steel Doors:** With or without hoist, front of hood, top of hood, bench mount and wall mount. Hoist models are left-hand or right-hand.

### Motor\*

Open drip-proof motor available in ½, ¾ and 1 horsepower, single or three-phase. Totally enclosed non-ventilated (TENV) construction and totally enclosed fan cooled (TEFC) construction units, NEMA 4 and NEMA 4X are available as options.

### 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 including the commercial dual frequency cycling versions.

### 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.

### Direct coupling (optional on sectional doors only)

Provides fast, easy installation and prevents chain slacking. Available on sectional side/center mount jackshaft and hoist units.

### Timed Close

Doors can be set to automatically close after a two 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 maintenance support.

### Adjustable shaft

Output shaft can be moved from one side to the other, providing flexible installation options.

### Trolley rail assembly

High strength 2 inch structural angle for added strength and durability.

### NEMA 4/4X operators (optional)

Available for wet, dusty and corrosive environments.

### CodeDodger® commercial dual frequency cycling transmitters (optional)

Available in 1, 2, 3, 4-button and Open/Close/Stop versions. Automatically operates at both 315 and 390 MHz every time a button is pressed.

### Limited Warranty

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

\*TENV, TEFC, NEMA 4 and NEMA 4X environmental options not available on all horsepower models. See price book for details.



## Architect's Corner

A resource for architects, containing comprehensive technical and resource materials to support your project, including drawings and specifications for commercial doors.

[overheaddoor.com](http://overheaddoor.com)

**The original, innovative choice for unequalled quality and service.**

Overhead Door Corporation pioneered the upward-acting door industry, inventing the first upward-acting 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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