

The Genuine. The Original.



RSX[®] Commercial Operator

An innovative line of Standard Duty Commercial Operators that improve the productivity of any facility.

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RSX[®] Operator

Standard Duty Commercial Operator

Advanced Innovation and Superior Functionality

RSX[®] Standard Duty Operators provide easy operation with superior functionality for the most stringent applications.

The RSX[®] offers new state-of-the-art performance features:

- **Easy limit setting with Limit Lock[™]** – an electro/mechanical limit sensor that makes it easy to set and maintain limits
- **Voltage freedom with Voltamatic[™]** – one unit for single phase voltages (115/208/230V), one unit for three phase voltages (208/230/460V) and one unit for three phase (575V)
- **Extra door system durability with Progressive Braking^{*}** – DC brake system brings the door to a soft stop for less wear and tear on the system
- **Easy installation and trouble-shooting with 16 character LCD display** – intelligent menu structure and expanded self-diagnostics
- **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. It can add and delete transmitters from the menu and easily identify which transmitters are operating the door
- **No adjustment needed with Super Belt[™]** – 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



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

RSX® Advantages

Mounting

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

Sectional Doors: Standard, side mount, and dual trolley applications. 1/2 horsepower models available with or without brake (3/4 hp and 1 hp models come standard with brake). Side mount and center mount direct couple to the door shaft with or without hoist. Hoist models are left-hand or right-hand and adjustable in the field.

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 and adjustable in the field.

Motor

Continuous duty motor available in 1/2, 3/4 and 1 horsepower; single or three-phase. Totally enclosed non-ventilated (TENV) construction and totally enclosed fan cooled (TEFC) construction units 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 new commercial dual frequency cycling versions.

Drive reduction

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

Direct coupling

Provides fast, easy installation and prevents chain slacking. Available as an optional kit for sectional side/center mount jackshaft and hoist units.

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.

New 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.

Warranty

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

RSX® operator selection charts

RSX® Sectional Door Chart (Sq. Ft.)

Model	HP	UL Listed	Commercial Steel Insulated & Non-Insulated										Thermacore						Aluminum		
			Door Series >		416	418	420	422	424	426	430	432	591	592	593	594	596	598	599	511	521
			Mounting Type	Max. Door Weight (Lbs)	16GA. Flush Steel	16GA. Flush Steel Insulated	20GA. Ribbed Steel	20GA. Ribbed Steel Insulated	24GA. Ribbed Steel	24GA. Ribbed Steel Insulated	Nominal 24GA. Ribbed Steel	Nominal 24GA. Ribbed Steel Insulated	Ribbed Steel 1 5/8"	Ribbed Steel 2"	Ribbed Steel 1 3/8"	Raised Panel Steel 1 3/8"	20GA. Flush Steel 1 5/8"	Ribbed Steel 1"	Flush Steel 2"		
RSX®	1/2	Yes	TSC	1120	294	230	366	294	448	330	326	326	406	406	326	326	360	200	406	326	406
RSX®	3/4	Yes	TSC	1370	366	294	448	366	490	406	326	326	490	448	326	326	404	200	448	326	506
RSX®	1	Yes	TSC	1620	448	366	536	448	536	490	326	326	591	494	326	326	448	200	494	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.

RSX® Rolling Steel Door Chart (Sq. Ft.)

Model	HP	UL Listed	Rolling Steel Doors								Rolling Fire Doors					Counter Doors	Grilles			
			600		610/620			625			630/631/634**			635**		640/641	650/651/652		670	671
			Coil-Away	22GA.	20GA.	18GA.	24GA.	22GA.	20GA.	18GA.	22GA.	20GA.	18GA.	24/24GA.	22/24GA.	22GA.	22GA./Alum	Alum	Steel	
RSX®	1/2	Yes	256*	292	255	194	179	156	145	123	168	169	132	100	81	N/A	All*	450	156	
RSX®	3/4	Yes	256*	375	327	249	230	200	185	158	168	169	132	100	81	N/A	All*	500	215	
RSX®	1	Yes	256*	480	419	319	294	256	237	202	215	169	132	100	81	N/A	All*	600	285	

Note: RSX® Maximum Door Height 24 ft.

* Operator must be wall mounted.

** Must use the Auxiliary Input/Output Module part number OPABIOX.S.

Optional accessories

Accessory

Description

Transmitters



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.

Motors



The following motors are available when specified:

- Totally Enclosed Non Ventilated (TENV)
- Totally Enclosed Fan Cooled (TEFC)

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.

Sensing Devices



- **Bottom Sensing Edge** – stop and reverses the door upon contact with an obstruction.
- **Safe-T-Beam®** – senses an obstruction and signals the operator to stop or reverse the door.

RSX[®] Operator

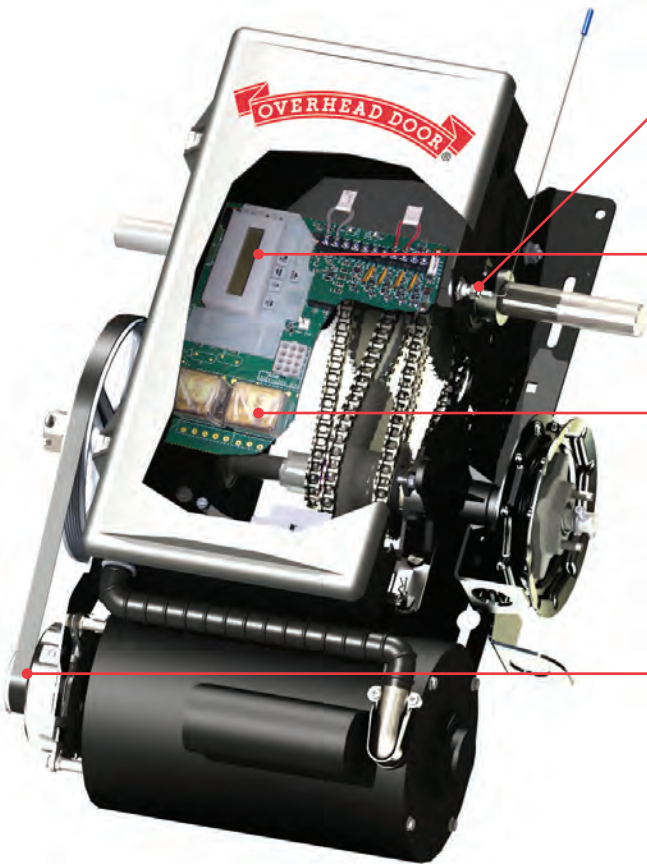
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Advanced Innovation and Superior Functionality

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Advanced radio receiver system

Provides additional safety and security.

16-Character LCD display

Simplifies installation and troubleshooting.

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.

Super Belt[™] auto-tensioning belt

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.

Limit Lock[™]

Makes setting and maintaining limits easy.

The service and support you need – when you need them

When you select an Overhead Door product, you get more than advanced product design and manufacturing superiority – you get unmatched support and fast response through our nationwide network of over 400 Red Ribbon Distributors. For over four generations, Ribbon Distributors have provided the industry's single-source solution for commercial and industrial door and operator systems specifically designed for integrated applications. From design and application consulting to installation and ongoing maintenance, Overhead Door Red Ribbon Distributors give you the service and support you need – when you need them.



Warranty

RSX® commercial operator is guaranteed with a 2-year or 20,000 cycle limited warranty. See complete warranty terms for full limitations and details.

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Complies with UL 325 2010
as of manufactured date.
FCC certified.

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