

RSX[®] EGRESS

STANDARD DUTY COMMERCIAL OPERATOR

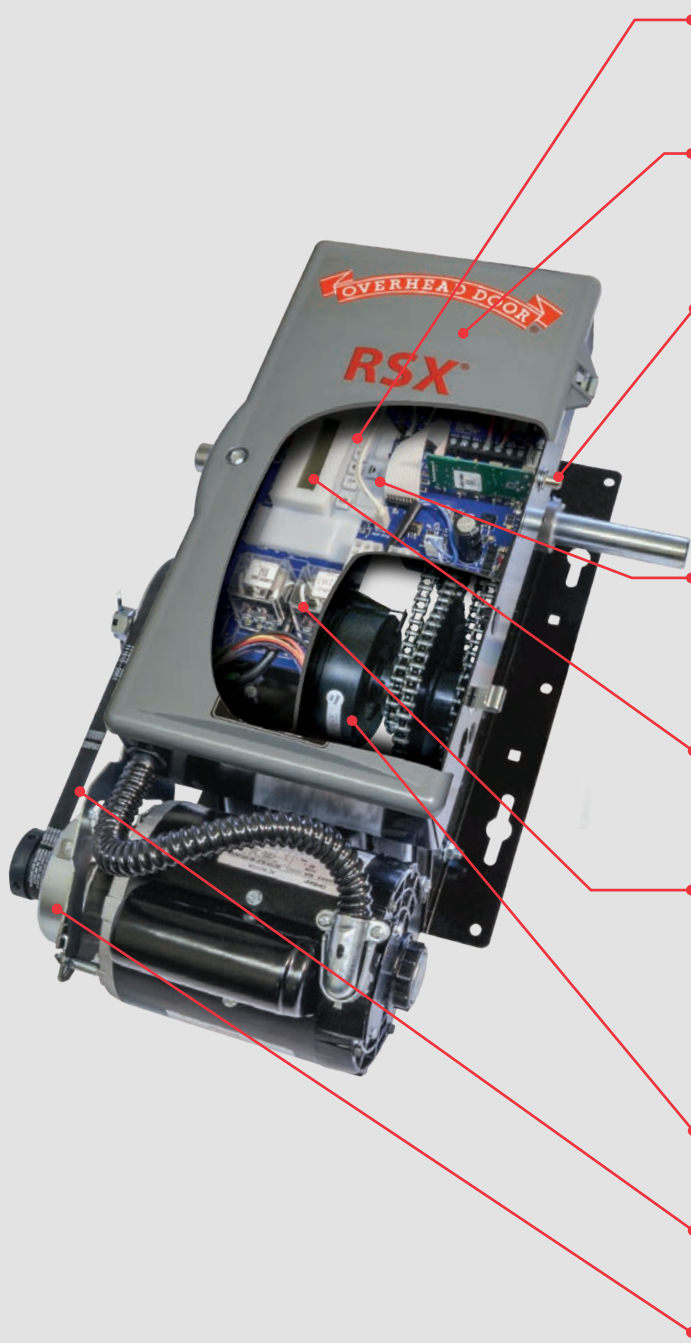


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Standard features at a glance



• **Easy limit setting with LimitLock®**

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

• **Egress board**

Alarm and egress push-button inputs to release grille to fully open position.

• **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.

• **Adjustable timed close feature**

Standard feature on the main logic board can close door automatically. Timer can be set from two seconds to five minutes through the LCD display.

• **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. Select input voltage by simply changing motor plug connection on the circuit board. A separate 575V three phase unit is also available.

• **Governor**

Controls rate of grille ascent.

• **Auto-tensioning SuperBelt®**

Automatically adjusts itself to the correct tension.

• **Progressive braking***

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

UL325 listed

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

RSX® Egress operator grille application chart

RSX® Egress operator selection guideline*		
Grille Model	670	671
Horsepower	Aluminum	Steel
ALL HP	25 Minimum Sq. Ft.	16 Minimum Sq. Ft.
1/2 HP	225 Maximum Sq. Ft.	100 Maximum Sq. Ft.
1 HP	324 Maximum Sq. Ft.	144 Maximum Sq. Ft.





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

RSX® Egress operator application			
Grille type	Mounting options	Horsepower	Maximum door weight
Egress grilles	Front of hood, top of hood, wall mount, bench mount, front of hood horizontal	1/2	998 lbs.
		1	1440 lbs.

RSX® Egress standard duty models available				
Model	Horsepower	Voltage	Phase	
OPRSXJ5001RBEEG	1/2	115/208/230	1	
OPRSXJ5003RBEEG	1/2	208/230/460	3	
OPRSXJ5053RBEEG	1/2	575	3	
OPRSXJ1001RBEEG	1	115/208/230	1	
OPRSXJ1003RBEEG	1	208/230/460	3	
OPRSXJ1053RBEEG	1	575	3	



Optional accessories

Accessory	Description
<p>Transmitters</p> 	<p>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.</p>
<p>Egress switches</p> 	<ul style="list-style-type: none"> • Push-pull button – with mushroom head for use in areas where local activation for egress is required. Optional push-pull button can be surface or flush mounted. • Test key switch – for controlled testing of the egress grille. One test key switch included with the RSX® Egress operator.
<p>Auxiliary modules</p> 	<ul style="list-style-type: none"> • 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 for up limit, down limit, mid-stop limit, ADA door moving and time delay lamp off. <p>*Only one auxiliary module can be added to the RSX® Egress operator.</p>
<p>Sensing devices</p> 	<ul style="list-style-type: none"> • Bottom sensing edge – stops 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® Egress operator advantages

Egress operation

Activation of egress push-button, receipt of an alarm signal, or loss of power releases the grille allowing it to raise to the fully open position. Tests performed by an ISO 17025 certified lab for International Building Code 2015 compliance.

Auto-reset limits

Auto reset functionality helps maintain limits and allow for operation of grille after egress operation.

Release clutch

Disconnects operator drive train allowing grille travel to fully open position upon receipt of alarm signal, egress push-button operation, or power loss.

Governor

Limits door velocity during ascent.

Mounting

Secure mounting options are available to fit the following applications:

Front of hood, top of hood, wall mount, bench mount or front of hood horizontal

Motor

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

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 dual frequency cycling.

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 two second to five minute delay.

Reduction clutch

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

Mechanical brake system

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

Cycle counter

LCD clearly indicates the exact number of cycles logged for easy maintenance support.

Limited warranty

RSX® Egress operator features a 2-year or 20,000 cycle limited warranty. Limited warranty of 3 years or 20,000 cycles when grille and operator are purchased together. See installation manual for complete limitations and details.



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