

FIRECOIL™



FireCoil

S A F E T Y

S E C U R I T Y

RAYNOR

VISIT US AT: WWW.RAYNOR.COM
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FIRECOIL FEATURES

Every FireCoil door is built for superior performance and includes the features listed here. For additional options, see your Raynor dealer.



Fusible links.

Automatic door closure is initiated by one of three fusible links that melts at 165° Fahrenheit.



Bottom bar.

Curtain bottoms are reinforced with a minimum of two steel angles for maximum durability. A bottom astragal is included on all motor-operated doors.



Counterbalance system.

A torsion-spring-operated system, enclosed in a structural steel barrel, effectively counterbalances the door for a minimum of 10,000 cycles.



Curtain.

All FireCoil door curtains are constructed with heavy-duty steel slats. See below for a complete list of slat styles



Guides and end locks.

Structural steel angle guides provide added support for curtain slats. Zinc-plated, malleable cast-iron end locks prevent lateral movement of the curtain slats.



*Curtain hood.

For maximum structural rigidity, curtain hoods feature rolled edges and are formed from 24-gauge, hot-dipped galvanized steel.

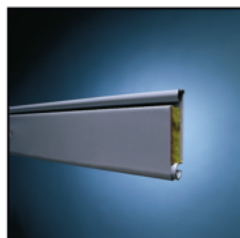
* FireCoil hoods include a flame baffle that is activated by a fusible link. Standard on Factory Mutual-approved doors. Optional on UL-approved doors.

SLAT STYLE OPTIONS



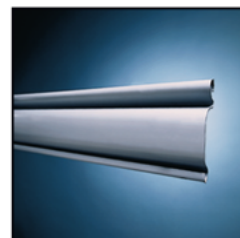
Flat slats (UF).

The most architecturally pleasing slat profile.



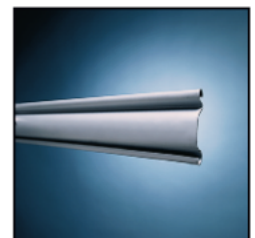
Insulated flat slats (UI).

Designed for any application demanding greater thermal efficiency.



Large contour slats (LL).

Available in virtually unlimited widths, large contour slats are typically specified for larger sized openings.



Small contour slats (US).

An excellent choice for smaller opening widths, small contour slats are the best value for opening sizes up to 14'x24'.

FIRECOIL™

FIRE-RATED ROLLING DOORS

Where safety and fire protection are crucial, choose FireCoil. Raynor FireCoil doors are the standard for facilities that require a listed fire door in a rated fire wall. FireCoil doors are provided with fusible links that automatically release to close the door at 165°F. The door's descent can also be triggered by smoke and heat detectors, a building's alarm system, or solid-state release devices. FireCoil doors are UL and C-UL-labeled.

FireCoil

With a four-hour rating and 18-gauge steel slats, this model is the best choice for optimum fire protection and maximum security.

This full-featured, competitively priced product is designed to exceed industry guidelines with a UL four-hour rating. Use Raynor FireHoist™ operators for easy reset after fire alarm.



FireCoil, Gray

MODEL	Guides	Slat Profile	Slat Material (Thickness)	Fire Ratings	Approvals	Max. Width	Operation	Color/Finish
Flat Slat (UF)	Steel Angles	Flat	Steel 22,20,18 gauge	4-Hour, 3-Hour, 1 1/2-Hour, 3/4-Hour	UL, C-UL, CSFM ISO-3008, BS-476, FM, MEA	30'	Manual, Chain, Crank, Motor	Gray, Tan, White, or ArmorBrite Painted Galvanized Finish
			Stainless Steel 22, 20 gauge			19'6"		#4 Finish
			Steel 24 gauge	1 1/2-Hour, 3/4-Hour		10'		White, Gray, ArmorBrite Painted
Insulated Flat Slat (UI)	Steel Angles	Flat	Steel 24, 22, 20, 18 gauge	4-Hour, 3-Hour, 1 1/2-Hour, 3/4-Hour	UL, C-UL, CSFM, MEA	30'	Chain Hoist, Crank, Motor	Gray, Tan, White, or ArmorBrite Painted Galvanized Finish
Small-C Slat (US)	Small Steel Angles	Curve	Steel 22, 20 gauge	4-Hour, 3-Hour, 1 1/2-Hour, 3/4-Hour	UL, C-UL, CSFM, ISO-3008, BS-476, FM, MEA	14'	Manual, Chain, Crank, Motor	Gray or ArmorBrite Painted
Large-C Slat (LL)	Large Steel Angles	Curve	Steel 22, 20, 18 gauge	4-Hour, 3-Hour, 1 1/2-Hour, 3/4-Hour	UL, C-UL, CSFM, ISO-3008, BS-476, FM, MEA	30'	Manual, Chain, Crank, Motor	Gray or ArmorBrite Painted

All Raynor FireHoist operators provide automatic closing without the loss of spring tension, and do not require a traditional mechanical resetting after testing. All units feature a high efficiency gear reducer and horizontal front of coil installation, the FireHoist in-line offering is versatile and able to withstand the most rigorous environments. All operators feature an internal release device and governor system to control the automatic closing of the door. The compact low profile design ensures that no additional clearance above the top of the door coil is required, saving space. If an approved monitored reversing device is not connected, the operator will require constant pressure on the close button to close the door.

Standard Features

- cULus Listed
- NEMA 1 enclosure
- 24 volt control circuit
- 3- button open/close/stop
- Solid State Control board
- Overload protection
- Continues duty motor
- Adjustable Linear Driven Limit Switches
- Optional monitored reversing device and unmonitored reversing device
- Delay on reversing
- Average speed 6" to 8" per second



FIREHOIST™
FGH

Raynor FireHoist FGH operators offer ½ hp, 1 hp, 1 ½ hp, 2 hp and 3 hp in line gear reducer option providing for an integrated fire door system. Resetting of the operator is as easy as reconnecting the fusible link release cable and then activating the open control to reset the door. The FGH models are also available for retro fitting existing fire doors by eliminating all the components that typically fail with an operator. Other release devices can be added to the system for detector/alarm inputs and loss of power.

- Solenoid actuated disc brake
- TENV motor
- 30 cycles per hour
- Fusible link activation of internal release and governor controlled closing
- Auxiliary hand chain (up to 2 HP)
- On board open, close, stop buttons
- On-board non-resettable cycle counter
- Optional on-board timer to close



FIREHOIST™
FDCL

Raynor FireHoist FDCL operators provide a ½ hp spur gear drive option providing an integrated fire door system. Resetting of the operator is as easy as activating the open control to reset the door.

- Monitored 2 hour battery back-up
- Low battery warning
- Programmable closing function selections
- Keyed test station
- Detector/alarm inputs
- Time-delayed automatic closing for detector/alarm (10 sec.)
- Electronic thermal sensors that replaces fusible links (field installed)
- Electromagnetic disc brake
- ODP motor
- 25 cycles per hour



FIREHOIST™
FDC

Raynor FireHoist FDC operators offer ½ hp and 1 hp helical gear drive options providing an integrated fire door system. Resetting of the operator is as easy as activating the open control to reset the door.

- Monitored 72 hour battery back-up
- Low battery warning
- Programmable closing function selections
- Keyed test station
- Detector/alarm inputs
- Time-delayed automatic closing for detector/alarm (10 sec.)
- Electronic thermal sensors that replaces fusible links (field installed)
- Electromagnetic disc brake
- ODP motor
- 25 cycles per hour



FIREHOIST™ FSE

Raynor FireHoist FSE operators offer 1/3 hp, 1/2 hp, 3/4 hp, 1 1/2 hp, and 2 hp planetary reduction gear drive providing an integrated fire door system. Resetting of the operator is as easy as activating the open control to reset the door with the exception of melting a fusible link. The FSE models are also available for retro fitting existing fire doors by eliminating all the components that typically fail with an operator.

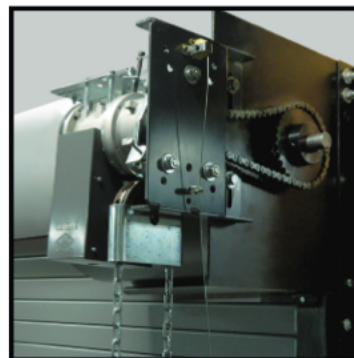
- Solenoid actuated brake
- TENV motor
- 30 cycles per hour
- Fusible link activation of internal release and governor controlled closing
- Door releases under a power failure (delay 0 or 10 sec.)
- Detector/alarm inputs

FIRECOIL OPTIONS

Raynor's FireCoil door systems feature specialized construction and automatic closing providing state of the art technology. All doors are easily resettable with a single sided release decreasing reset time after performing specified drop testing. The included governor provides controlled closing speeds of 6" - 12" per second resulting in a safer, smoother, and quiet descent. Doors of all sizes are easily controlled and meet NFPA 80 requirements.



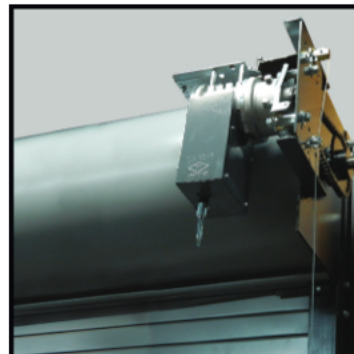
Motor Operated
Automatic closing can occur with the door partially open or fully closed without resulting in any damage to the door components.



Chain and Crank Operated
Chain and Hand crank operation is available on all FireCoil model doors.



Manual Operated
Manual design features a centrifugal clutch governor smoothly controlling descent.



Chain



Close and Test Cable

Crank

MODEL OPTIONS AND UPGRADES

1 187 ArmorBrite™ colors.

Choose your color! Nearly every Raynor fire door component (curtain slats, bottom bars, guides, hoods, and head plates) can be powdercoated in any of 187 colors for an attractive appearance and exceptional durability.



2 Locks.

In applications where control and access are important, choose from a variety of locking options to help keep your building secure. Locks come in either cylinder or slide-bolt (shown) variations. Slide-bolt locks are standard on push-up operation.



3 Smoke Control.

A guide with brush seal (shown) and header seal reduce smoke damage.

McCabe Link
Electro/Thermal/Manual Release
• 115V AC/DC
• 24V AC/DC

LM21 Releases
Models: XP, XPBB, AFGB

Smoke Detectors
Photoelectric heat
• 115V AC
• 24V DC

Raynor offers a full line of sectional, rolling, fire and traffic doors as well as security grilles. See your Raynor Dealer or visit www.raynor.com for more information.



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