

## Operator/Release Selection Guide

This chart can be used for selecting the operators and/or release device suitable for applications.

Model	Release Device	Door to close by:						Resettable By Operator (All)	Resettable By Operator (Except Fusible Link)
		Alarm	Smoke Detector	Fusible Link	Power Failure	Power Failure w/10 sec Delay	Test Key Switch/ Button		
FGH	None			●					
FGH	McCabe Link	●	●	●					
FDCL	None	●	●	●			●	●	
FDC	None	●	●	●			●	●	
FGH	LM21-XP	●	●	●	●		●		
FGH	LM21-XPBB	●	●	●			●		
FGH	LM21-AFCB	●	●	●			●		●
FSEP	None	●	●	●	●	●			●

### Accessories



**McCabe Link**  
Electro/Thermal/Manual Release

- 115V AC/DC
- 24V AC/DC



**LM21 Releases**  
Models: XP, XPBB, AFCB



**Smoke Detectors**  
Photoelectric heat

- 115V AC
- 24V DC

## Professional Installation and Service

### Depend on your Raynor Dealer

When you select Raynor, you're not just getting a superior rolling door - you're also getting professional rolling door installation and service expertise.

Every Raynor rolling door is installed by a trained Raynor professional, and that means added benefits for you. First, you won't have to deal with it yourself. Second, because it's done right the first time, your door will deliver performance and reliability from the day it's installed. Your technician will check your door for everything from safety to performance and appearance. Trust your Raynor rolling door to someone who knows it better than anyone else, your professional Raynor Dealer.



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# FireHoist™

## Fire Door Operators

Raynor FireHoist™ fire door operators are UL listed for use with Raynor FireCoil™ fire-rated doors, as well as for retro-fit applications where existing fire doors require new operators. Available in a variety of horsepower options, Raynor offers helical, spur and planetary gear drive systems. All models are c-UL-us listed and housed in a NEMA 1 enclosure.



### FGH

The only FireHoist operator with an auxiliary chain hoist. Easy-reset provides automatic closing without a loss of spring tension and eliminates the need for traditional mechanical reset.



### FDCL

This light duty operator comes standard with a monitored 2 hour battery backup and can be reset by activating the open control.



### FDC

When you need maximum battery backup capability, the FireHoist FDC delivers 72 hour monitored performance along with a built in low battery warning.



### FSEP

The FSEP is the most versatile operator in the FireHoist lineup. With various timers to close, non-resettable cycle counters, on board push buttons and both detector and alarm inputs, the FSEP has all the options you need.

## FireHoist™ Fire Door Operators

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

- c-UL-us listed
- NEMA I enclosure
- 24 volt control circuit
- 3 button control station open/close/stop
- Solid state control board
- Overload protection
- Continuous 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, 1½ 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™ FSEP



Raynor FireHoist FSEP operators offer ⅓ hp, ½ hp, ¾ hp, 1½ 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 FSEP models are also available for retro fitting existing fire doors by eliminating all the components that typically fail with an operator.

- TENV motor
- 30 cycles per hour
- Safety reverse cycles (0, 1, 3)
- Auto open after alarm clears
- Door releases under a power failure or alarm (delay 0 or 10 sec.)
- Detector/alarm inputs
- Non-resettable counter
- On board push buttons
- Timers-mid open, re-close

OPERATOR / RELEASE TECHNICAL GUIDE

This chart can be used to determine technical information for each operator/release device.

Model	FGH	FGH	FGH	FGH	FGH	FDCL	FDC	FSEP	
Release Device	None	McCabe Link	LM21-XP	LM21-XPBB	LM21-AFCB	None	None	None	
Activation Devices	Alarm Activated	N/A	Gravity Controlled	Gravity Controlled	Gravity Controlled	Motor or Gravity Controlled	Motor or Gravity Controlled	Motor or Gravity Controlled	Gravity Controlled
	Smoke Detector Activated	N/A	Gravity Controlled	Gravity Controlled	Gravity Controlled	Motor or Gravity Controlled	Motor or Gravity Controlled	Motor or Gravity Controlled	Gravity Controlled
	Thermal Sensor Activated	N/A	N/A	N/A	N/A	N/A	Motor or Gravity Controlled	Motor or Gravity Controlled	N/A
	Fusible Link Activated	Gravity Controlled	Gravity Controlled	Gravity Controlled	Gravity Controlled	Gravity Controlled	N/A	N/A	Gravity Controlled
	Key-Test Switch Activated	N/A	N/A	N/A	N/A	Motor or Gravity Controlled	Gravity Controlled	Gravity Controlled	N/A
	Test Button Activated	N/A	N/A	Gravity Controlled	Gravity Controlled	Motor or Gravity Controlled	N/A	N/A	N/A
Power Failure	No Activation	No Activation	Gravity Controlled	No Activation	No Activation	No Activation	No Activation	Gravity Controlled	
Power Failure Delay	None	None	None	None	None	2 hours	72 hours	0 sec. or 10 sec.	
Battery Back-Up For Alarm/Smoke (Hrs.)	None	None	None	72	72	2	72	24 hrs (optional)	
Activation Device Delay (sec.)	None	15	10, 20, 30 or 60 except fusible link	10, 20, 30 or 60 except fusible link	10, 20, 30 or 60 except fusible link	0 or 10	0 or 10	0 or 10	