**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 UL listed and housed in a NEMA I 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.

**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

Raynor FireHoist operators provide automatic closing without the loss of spring tension, and do not require a traditional mechanical resetting after testing. 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. 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
- UL 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, 1⅛ 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™ FSEP

Raynor FireHoist FSEP operators offer ⅓ hp, ⅜ hp, ¾ hp, 1⅛ 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
This chart can be used to determine technical information for each operator/release device.

<table>
<thead>
<tr>
<th>Activation Devices</th>
<th>FGH</th>
<th>FGH</th>
<th>FGH</th>
<th>FGH</th>
<th>FGH</th>
<th>FSEP</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>FGH</td>
<td>FGH</td>
<td>FGH</td>
<td>FGH</td>
<td>FGH</td>
<td>FSEP</td>
</tr>
<tr>
<td><strong>Release Device</strong></td>
<td>None</td>
<td>McCabe Link</td>
<td>LM21-XP</td>
<td>LM21-XPBB</td>
<td>LM21-AFCB</td>
<td>None</td>
</tr>
<tr>
<td><strong>Alarm Activated</strong></td>
<td>N/A</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Motor or Gravity Controlled</td>
<td>Gravity Controlled</td>
</tr>
<tr>
<td><strong>Smoke Detector Activated</strong></td>
<td>N/A</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Motor or Gravity Controlled</td>
<td>Gravity Controlled</td>
</tr>
<tr>
<td><strong>Thermal Sensor Activated</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Fusible Link Activated</strong></td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
</tr>
<tr>
<td><strong>Key-Test Switch Activated</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Motor or Gravity Controlled</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Test Button Activated</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>Gravity Controlled</td>
<td>Gravity Controlled</td>
<td>Motor or Gravity Controlled</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Power Failure</strong></td>
<td>No Activation</td>
<td>No Activation</td>
<td>Gravity Controlled</td>
<td>No Activation</td>
<td>No Activation</td>
<td>Gravity Controlled</td>
</tr>
<tr>
<td><strong>Power Failure Delay</strong></td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>0 sec. or 10 sec.</td>
</tr>
<tr>
<td><strong>Battery Back-Up For Alarm/Smoke (Hrs.)</strong></td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>72</td>
<td>72</td>
<td>24 hrs (optional)</td>
</tr>
<tr>
<td><strong>Activation Device Delay (sec.)</strong></td>
<td>None</td>
<td>15</td>
<td>10, 20, 30 or 60 except fusible link</td>
<td>10, 20, 30 or 60 except fusible link</td>
<td>10, 20, 30 or 60 except fusible link</td>
<td>0 or 10</td>
</tr>
</tbody>
</table>
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: | | | | | | | |
|-------|----------------|-------------------|---|---|---|---|---|---|---|---|
| FGH   | None           | Alarm             | ● | ● | ● | ● | ● | ● | ● | ● |
| FGH   | McCabe Link    | Smoke Detector    | ● | ● | ● | ● | ● | ● | ● | ● |
| FGH   | LM21 XP        | Fusible Link      | ● | ● | ● | ● | ● | ● | ● | ● |
| FGH   | LM21 XPBB      | Power Failure     | ● | ● | ● | ● | ● | ● | ● | ● |
| FGH   | LM21 AFCB      | Power Failure w/10 sec Delay | ● | ● | ● | ● | ● | ● | ● | ● |
| FSEP  | None           | Test Key Switch/Button | ● | ● | ● | ● | ● | ● | ● | ● |
|       |                | Operator/Release Device | | | | | | | | |

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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