MODERNIZE

FREIGHT DOORS • CAR GATES • CAR ENCLOSURES • POWER CONVERSION

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COURION can provide you with a Modernization Package for almost any Freight Elevator Door Job, including:

- Courion
- Security Fire Door
- Harris Preble
- Guilbert
- Peelle
- EMS
- Westinghouse
- Otis

COURION’s Modernization Package includes all of the equipment necessary to power operate your existing freight doors, including door operators, interlocks, limit switches, door controllers with sequence and firefighters service, retiring cams, power car gates, and light curtain protection.

Since 1920, Courion has manufactured state-of-the-art equipment for its COURION and SECURITY Freight Door Systems, and CART-MATIC, and TOTE-MATIC Dumbwaiter Systems. In addition, Courion is the exclusive provider of ENERGY, HARRIS PREBLE, and GUILBERT parts.

If you cannot find the specific parts in this Catalog, please contact Courion’s Customer Service Department at (800) 533-5760 or (314) 533-5700.

To insure proper replacement parts, please provide the appropriate JOB NUMBER, JOB NAME, or JOB LOCATION, when ordering. Courion Job Numbers can be found in the elevator door control cabinet, installation prints, or Parts and Maintenance manual that was shipped with the Courion equipment.
# MODERNIZE

## P Style Freight Doors

<table>
<thead>
<tr>
<th>Part Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guide Rails</td>
</tr>
<tr>
<td>Door Operators</td>
</tr>
<tr>
<td>Limit Switches</td>
</tr>
<tr>
<td>Lock Bar</td>
</tr>
<tr>
<td>Interlock</td>
</tr>
<tr>
<td>Chain &amp; Chain Rod</td>
</tr>
<tr>
<td>Guide Stops</td>
</tr>
<tr>
<td>Door Panel</td>
</tr>
<tr>
<td>Guide Shoe</td>
</tr>
<tr>
<td>Web Strap</td>
</tr>
</tbody>
</table>

![Image of P Style Freight Doors](image_url)
Add Power Operation to ANY Existing Freight Door System

We can provide you with a Power Conversion Package for ANY existing Freight Door System.

Courion’s Power Conversion Package contains all of the equipment necessary to power operate your existing freight doors, including:

- Door Operators
- Interlocks
- Limit Switch
- Courion Door Controller with sequence operation and firefighters service.
- Retiring Cam Assembly
- Complete Power Operated Gate
- Emergency Unlocking Devices (when required)
- New Courion LF-96 Door Shoes

Available Options:

- Auto-Sta Set Switch
- Courion’s CARE Reversing Edge
- NEMA 4X, 7, and 9 Equipment
- Wiring Material
**LF96 Guide Shoe**

Courion finally brings freight door guide shoes out of the Stone Age. The Courion LF96 Guide Shoe has time-saving features that are not available anywhere else in the industry.

- Installs quickly. Composite design means no more shims or small shoe pieces.
- Lasts longer. Molybdenum surfaces withstand loss of lubrication. Hardened wear strips are built-in.
- Quiet. Low friction-bearing surfaces eliminate metal to metal clattering.
- Ambidextrous. One model fits both left and right hands.
- Retrofitable. Replaces almost all standard Courion door and gate guide shoes.
- Approved by UL. Can be used on all Courion labeled freight elevator doors.

**Need a New Pair of Shoes?**

Courion maintains a wide variety of Adjustable Guide Shoes, including the NEW LF96 Guide Shoe with low-friction bearing surfaces.

All we need is the **Job Number**, **Job Name**, or **Job Location**, along with the Elevator/Shaft Number and Landing/Entry Number to process your order.

Replace your old-style guide shoes with Courion’s new LF96 guide shoes.
**Hoistway Door Panels**

**Damaged Hoistway Door Panel?**

**Available Hoistway Door Panels**

**Hoistway Door Panel Construction**

- Steel Plate (SP) panels have 12 gauge face sheets welded to reinforced structural steel frames. SP doors are UL rated 1-1/2 hours (B).
- Steel Plate Insulated (SPI) doors are similar to SP doors, with the addition of insulation and a shaft-side steel sheet cover. SPI doors are additionally rated for 650 degree temperature rise in 30 minutes.
- Metal Clad (M-6) doors have wood cores with galvanized steel coverings that provide greater fire resistance and extra resilience. M-6 doors are UL & C-UL rated 1-1/2 hour (B).

**Hoistway Door Panel Finishes**

- Factory Prime
- Air Dry Enamel (color required)
- All Stainless Steel Construction
- Stainless Steel Roomside Facia
- Sound Deadening on Shaft Side

**IMPORTANT:** Courion Hoistway Door Panels are manufactured in accordance with Courion’s UL procedures. Replacing a single panel with one tested under a different procedure may void the UL label.
Car Gate Panel Construction

- Wire Mesh Gate Panels are fabricated out of 10 gauge round wire formed in a 1-3/8" (34mm) mesh, crimped in both directions and welded into a roll formed steel frame (3/8" (9mm) mesh is available when required).
- Solid Panel Gate Panels are furnished standard in 18 gauge mild steel.

Car Gate Panel Finishes

- Factory Prime
- Air Dry Enamel (color required)
- All Stainless Steel Construction
- Standard Height (6’ - 154mm)
- Full Opening Height
- Bumpers - Wood
- Bumpers - Steel

Car Gate Panel Protection: All Courion Car Gate Panels come with a Courion Reversing Edge. Other non-contact reversing devices are available from Courion. Please see “Door Protection” in this manual.
Available Features

- Guide Stops
- Guide Lugs
- Mounting Hardware
- Stainless Steel
- Painted

**Upper Guides** are labeled with the Courion door mark corresponding to the opening for which they serve as the upper guide. (Example: the upper guide rails for Opening 2 will be marked 2R and 2L)

**Intermediate Guides** are labeled with the Courion door mark corresponding to the opening for which they serve as the upper guide. (Example: the intermediate guide rail shown between Opening 1 and Opening 2 will be marked 1R and 1L)

**Lower Guides** are labeled with the Courion door mark corresponding to the opening for which they serve as the lower guide followed by the letter “A”. (Example: the lower guide rails for Opening 1 will be marked 1A-R and 1A-L)

The HAND is determined by standing in the car and looking out. Right Hand shown.
Need New Gate Guides?

Available Gate Guide Rails and Features

- Gate Column Assembly (shown at left) for “Q” Style Gate Systems
- Gate Guides for existing single-section or two-section car gates manufactured by Courion, Security Fire Door, Harris Preble, or Guilbert.
- Stainless Steel
- Painted

We can provide you with Gate Guide Rails for Courion, Security, Harris Preble, and Guilbert Gate Systems.

“Q” Style Gate Column
Courion, the company known for innovation in the freight elevator door industry, introduces the next generation of freight elevator door protection - The Courion Automatic Reversing Edge System (CARE).

- Non-Contact Light Curtain. 32 infra-red cross beams fill the opening from floor to a height of approximately 6’ (1740 mm)

- Cost Effective. Reduces damage to freight doors normally caused by freight movement.

- Easy to install. Power supply mounts directly on car enclosure canopy while edges mount between the gate equipment and running clearance of the car.

- Retrofitable. Can be added to almost any existing freight door system including Courion, Harris Preble and Guilbert.
# Replacement Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-514501</td>
<td>CARE-C Power Supply</td>
</tr>
<tr>
<td>90-514500</td>
<td>CARE-C Light Curtain (6'-0&quot;) (1800mm)</td>
</tr>
<tr>
<td>90-514508</td>
<td>CARE-C Light Curtain (8'-0&quot;) (2500mm)</td>
</tr>
</tbody>
</table>

Available in custom sizes - please contact Courion (includes transmitter, receiver, and 16' cables)

# Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of beams</td>
<td>32 non-focused infrared beams</td>
</tr>
<tr>
<td>Operating Range</td>
<td>up to 39' (12 m)</td>
</tr>
<tr>
<td>Protection Height</td>
<td>71&quot; (1,800mm) or 98&quot; (2,500mm)</td>
</tr>
<tr>
<td>Response Time</td>
<td>max. 20 ms</td>
</tr>
<tr>
<td>Light Immunity</td>
<td>100,000 lux - visible light</td>
</tr>
<tr>
<td>Supply Voltage</td>
<td>17...240 VAC / DC</td>
</tr>
<tr>
<td>Relay Output</td>
<td>250 VAC / 8 A, 30 VDC / 8 A (resistive load)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20°C ...+65°C</td>
</tr>
<tr>
<td>Unit Size</td>
<td>1/2&quot; (12mm) x 5/8&quot; (16mm) x 6'-0&quot; (1850mm)</td>
</tr>
<tr>
<td>Case &amp; Cable</td>
<td>Anodized aluminum alloy - 16'-0&quot; (5000mm)(x2) cables supplied</td>
</tr>
<tr>
<td>Enclosure Rating</td>
<td>Sensors = IP65 or IP67 Control Unit = IP54</td>
</tr>
</tbody>
</table>
Car Gate Reversing Edge

The length of the Gate Reversing Edge Assembly depends upon the length of your gate panel. To insure that you receive the correct replacement part, please consult with a Courion Customer Service Representative prior to ordering.

Standard NEMA 1 rating. Explosion-Proof (NEMA 7 & 9) and Dust, Moisture & Oil Resistant (NEMA 4, 12, & 13) available.

<table>
<thead>
<tr>
<th>#</th>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07-600200</td>
<td>Contact Base Cover</td>
<td></td>
</tr>
<tr>
<td>07-600700</td>
<td>Insulator</td>
<td></td>
</tr>
<tr>
<td>07-689701</td>
<td>Trip Wire Spring</td>
<td></td>
</tr>
<tr>
<td>08-500300</td>
<td>Contact Lever Spring</td>
<td></td>
</tr>
<tr>
<td>09-102200</td>
<td>Rubber Bumper</td>
<td></td>
</tr>
<tr>
<td>11-204801</td>
<td>Contact Lever</td>
<td></td>
</tr>
<tr>
<td>20-006011</td>
<td>Neoprene Boot</td>
<td></td>
</tr>
<tr>
<td>90-000500</td>
<td>Dead End Bolt</td>
<td></td>
</tr>
<tr>
<td>90-807700</td>
<td>Nylon Bushing</td>
<td></td>
</tr>
<tr>
<td>90-875300</td>
<td>Reversing Edge Micro Switch</td>
<td></td>
</tr>
<tr>
<td>90-878500</td>
<td>Wire Clamp</td>
<td></td>
</tr>
<tr>
<td>90-887900</td>
<td>Trip Wire</td>
<td></td>
</tr>
</tbody>
</table>

REV-XXX  Reversing Edge Repair Kit

This Kit includes all of the parts necessary to replace an existing Courion Gate Reversing Edge except the Channel and electrical boxes. ASSEMBLY IS REQUIRED

Standard NEMA 1 rating. Explosion-Proof (NEMA 7 & 9) and Dust, Moisture & Oil Resistant (NEMA 4, 12 & 13) Kits available.
The length of the Door Panel Safety Meeting Rail Assembly depends upon the length of your door panel. To insure that you receive the correct replacement part, please consult with a Courion Customer Service Representative prior to ordering.

Available also in Loop Style.

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>09-102201</td>
<td>Rubber Bumper</td>
</tr>
<tr>
<td>15-101000</td>
<td>Safety Meeting Rail Channel</td>
</tr>
<tr>
<td>15-101100</td>
<td>Mounting Strip</td>
</tr>
<tr>
<td>20-005001</td>
<td>Novatex (5&quot;)</td>
</tr>
<tr>
<td>20-005011</td>
<td>Novatex (6&quot;)</td>
</tr>
<tr>
<td>90-855400</td>
<td>Novatex (+6&quot;)</td>
</tr>
</tbody>
</table>

SMR-OXX  Door Panel Safety Meeting Rail Assembly

We can provide you with a Door Panel Safety Meeting Rail Assembly for almost any SECURITY, HARRIS PREBLE or GUILBERT Job.

The length of the Door Panel Safety Meeting Rail Assembly depends upon the length of your gate panel. To insure that you receive the correct replacement part, please consult with a Courion Customer Service Representative prior to ordering.