**SENIOR SWING UNIQUE FEATURES**

**Digital Control Suite**
Provides exceptionally precise control of a large range of built-in functions combined with superior durability and performance. Visual indications and digital readouts of all control function settings and activity make adjustments easy, fast and accurate.

**Dual Independent Program Memories**
Each unit is pre-programmed to factory default settings. The installer can adjust the unit to meet the job site requirements. These field settings are locked into the computer’s memory. Any subsequent field adjustments replace the original field adjustments. The factory settings are always retained in memory and can be recalled to replace the field settings in just seconds, restoring the unit to its original programming.

**On-Board Diagnostics**
Sophisticated built-in diagnostics program monitors the system microprocessor, power supplies, drive systems, actuators and safety circuits. Reduces the time required to make sure the installation is complete and correct.

**On-Board Power Supply**
Provides 24V AC output or 24V DC output with rectifier to power card readers, manual actuators and other peripherals.

**Plug and Play Sensors**
Motion sensors and safety sensors feature a “plug and play” concept allowing fast and accurate wiring connections in only seconds.

**Electronic Circuit Protection**
High voltage (primary AC input) is protected by replaceable fuse. Low voltage (secondary AC output) is protected by self-resetting fuses.

**Visual Function Indicators**
LED Display allows direct observation of these inputs while in visual function indicator mode:
- Key switch- set to Auto, OFF or HOLD
- Activate
- DMSS approach
- DMSS safety
- Bodyguard
- Power Boost Disable

**Programming Mode**
Allows tailoring the following functions to meet specific site conditions
- Opening Speed
- Backcheck Speed
- Backcheck Position
- Hold Open Delay
- Latch Position
- Auto Reverse - Closing
- Electric Lock Delay
- Power Boost
- Push N’ Go
- Alternate Action
- Safety Slow/Stop
- Slow Down Disable

**Push ’N Go**
Allows pedestrians to walk up to the door and push it open as if it were a manual door. After the door is manually opened approximately 5 degrees, the Push ’N Go feature takes over and continues to open the door – slowly and automatically to the full open position. With Push ’N Go, the door will stay fully open from one to 30 seconds, depending on the time delay chosen.

**Auto Reverse**
A safety feature that reverses the direction of the door when it comes into contact with an object during either opening or closing.

**Safety Slow/ Stops Function**
Once the door starts opening, any person or object entering the swing area will cause the door to go into a safety slow speed. This function can be set to allow for a short stop once a person or object is sensed.

**Power Boost**
Adds an additional latching force to ensure secure latching in severe wind or stack conditions. Power Boost is also ideal for overcoming slowing obstacles such as electric strikes. Provides approximately 25 lbs. of total closing force.

**Microprocessor**
Control unit allows for quiet efficiency in operation. Combined with the all electromechanical unit, it eliminates unnecessary wear and prolongs the life of the unit.

**Electric Lock Delay**
Causes a 1 second delay between activate signal and door opening to allow time for most electric locks to disengage before operator opens door.
The 2810 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operator when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

2810 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 2810 Series is UL listed for fire-rated applications. The 2810 Series also meets the provisions of the Americans with Disabilities Act.

- 2810 Series operator is shipped with motor gearbox, control box, arm, bottom pivot, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Single door, overhead concealed.
- Meets ADA, requirements (power mode only).
- Handed product.
- 36˝ header length is standard, specify length 33˝ to 49˝ max.
- Double door header available up to 98˝, specify length 49˝ to 98˝ max. Consult factory regarding this option.
- Fixed (Positive) or breakaway stop available with center pivot arm.
- Adjustable hold open time of 1 to 32 seconds.

---

**OPERATOR MOUNTS**
**SINGLE DOOR, OVERHEAD CONCEALED**
**CENTER PIVOT**
OFFSET PIVOT/BUTT HINGE

**STANDARD ANODIZED FINISH**
**HANDING**
**HANDED/UNHANDED**
**COVER**
**METAL**
**ARM FUNCTION**
**STANDARD (SINGLE LEVER)**
**REGULAR (DOUBLE LEVER)**
**OFFSET PIVOT BUTT HINGE ARM**

*AVAILABLE
NOT AVAILABLE*
2810 SERIES

CONCEALED SINGLE DOOR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING
Minimum header length 33” with applied stop by others and 36” with LCN fixed or breakaway stop.

CONCEALED SINGLE DOOR (CENTER PIVOT, FIXED STOP, PUSH) MOUNTING
Minimum header length 33” with applied stop by others and 36” with LCN fixed or breakaway stop.

MAXIMUM OPENING
Template allows 90 degree power opening and 90 degree manual opening.

- **Head Frame** minimum 36” (L) x 5-3/4” (H) x 4-1/2” (W) (914 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2” (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.
- **Head Frame** minimum 33” (L) x 5-3/4” (H) x 4-1/2” (W) (838 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2” (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

**MAXIMUM OPENING**
Template allows 90 degree power opening and 90 degree manual opening.

Contact LCN Product Support for installation assistance.
2810 SERIES

MOTOR GEARBOX
MOTOR GEARBOX – SENIOR SWING, 2810-3454
Driving mechanism for operator. Provides maximum 15 lbs opening force. Handed.

MOUNTING BRACKET
MOUNTING BRACKET – 3-3/4˝, 2810-375
Motor gearbox mounting bracket for 3-3/4˝ offset pivot, butt hinge or center pivot with finger guard installations. Front bracket.

MOUNTING BRACKET – 2-3/4˝, 2810-275

REAR MOUNT BRACKET, 2810-3018
Motor gearbox mounting bracket. Rear bracket.

CONTROL BOXES
CONTROL BOX - SENIOR SWING, 2810-3462
Electronic controlling device for Senior Swing.

HEADERS
HEADER, 2810-3572HL
Standard, mounting header. Single door, single operator. Specify length 33˝ to 49˝ maximum.

HEADER, 2810-3572DD
Standard, mounting header. Double door, single operator. Specify length 49˝ to 98˝ maximum.

END CAPS
HEADER END CAPS, 2810-334
End cap with openings for wiring.

ARMS
CENTER PIVOT ARM, 2810-3077CP
(CENTER PIVOT INSTALLATIONS ONLY)
Used with overhead concealed operators and center pivoted doors.

OFFSET PIVOT ARM, 2810-3077OP
(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)
Used with overhead concealed operators.

OFFSET PIVOT ARM ASSEMBLY COMPLETE 2810-3077 OPCM
Offset arm with track and concealing channel. (Includes 3072 concealing channel, 168 slide channel and 3077OP offset pivot arm).
**CHANNELS**

**CONCEALING CHANNEL, 2810-3072**
Used to conceal arm in overhead concealed applications. For offset pivot installations only. If ordering separately specify length and hand.

**SLIDE CHANNEL, 2810-168**
(OFFSET PIVOT or BUTT HINGE INSTALLATIONS ONLY)
Mounts in top rail of door. Allows arm to slide.

**INSTALLATION ACCESSORIES**

**DOOR STOP BREAKAWAY, 2810-384B**
Allows in-swinging door to swing out in case of emergency. Disables operator in breakaway mode. For center pivoted installations only.

**DOOR STOP FIXED, 2810-384F**
Prevents out-swinging door from swinging in. For center pivoted installations only.

**FILLER PLATE BLANK, 2810-12**
Completes length of header box.

**SPINDLE PLATE – 2-3/4˝, 2810-11A**

**SPINDLE PLATE – 3-3/4˝, 2810-11B**
Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 3-3/4˝ offset pivot, butt hinge or center pivot with finger guard installations.

**PIVOTS**

**BOTTOM PIVOT ASSEMBLY, 2810-3107**
Includes pivot body, pivot post and bottom pivot plate. For overhead concealed, center pivoted installations. Includes; 2810-107, 2810-110 and 2810-117.

**PIVOT BODY, 2810-107**
Bottom pivot body for center pivoted installations.

**PIVOT POST, 2810-110**
Connects pivot body to bottom pivot plate for center pivoted installations.

**BOTTOM PIVOT PLATE, 2810-117**
Applied to floor for center pivoted installations.
# 2810 SERIES

## TABLE OF SIZES

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>36&quot;</th>
<th>48&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>914mm</td>
<td></td>
<td>1219mm</td>
</tr>
</tbody>
</table>

2811
Minimum Door Width

---

**Indicates recommended range of door width for operator.**

**NOTE:** For all Senior Swing Series.
- Single Door - Width per leaf 36” minimum, 48” maximum.

---

## HOW-TO-ORDER

### 2810 SERIES OPERATORS

1. **SELECT INSTALLATION TYPE**
   - 2811

2. **SPECIFY ARM**
   - 3-3/4” (Offset pivoted) Arm (3077OP)
   - 2-3/4” (Center pivoted) Arm (3077CP)
   - 3-3/4” (Center pivoted) Arm (3077CP)

3. **SPECIFY HAND**
   - RH
   - LH

4. **SPECIFY HEADER/LENGTH**
   - HL__ (Specify length 33” to 49” offset pivot)
   - HL__ (Specify length 36” to 49” center pivot)
   - DD__ (Specify length 49” to 98”)

5. **SPECIFY FINISH**
   - Standard Anodized Finish ____________
     Aluminum or Dark Bronze.

**Operator will be shipped with:**
- MOTOR GEARBOX,
- CONTROL BOX,
- HEADER (at specified Length, 36” standard),
- WOOD and MACHINE SCREW PACK

*Unless options listed below are selected.*

### OPERATOR OPTIONS

**STOPS**
- Positive Mechanical Stop (POS)
- Panic Breakaway Stop (BKY)

*Available with Center Pivoted installations only.*

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### TABLE OF SIZES

<table>
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<tr>
<th>DOOR WIDTH</th>
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<th>48&quot;</th>
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<tbody>
<tr>
<td>914mm</td>
<td></td>
<td>1219mm</td>
</tr>
</tbody>
</table>

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**Indicates recommended range of door width for operator.**

**NOTE:** For all Senior Swing Series.
- Single Door - Width per leaf 36” minimum, 48” maximum.
2850 SERIES

The 2850 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operator when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

2850 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 2850 Series is UL listed for fire-rated applications. The 2850 Series also meets the provisions of the Americans with Disabilities Act.

- 2850 Series operator is shipped with motor gearboxes, control box, arms, bottom pivot, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Simultaneous pair, overhead concealed.
- Meets ADA, requirements (power mode only).
- Handed for double egress applications only.
- 72˝ header length is standard. Specify other length 52˝ to 98˝ max. Consult factory regarding this option.
- Optional fixed (POS) or breakaway stop (BKY) available (center pivot arm). Header lengths 70˝ to 98˝ max with either (POS) or (BKY) option.
- Adjustable hold time period of 1 to 32 seconds.
CONCEALED SIMULTANEOUS PAIR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING
Minimum header length 52” with applied stop by others and 70” with LCN fixed or breakaway stop.

CONCEALED SIMULTANEOUS PAIR (CENTER PIVOT, FIXED STOP, PUSH) MOUNTING
Minimum header length 52” with applied stop by others and 70” with LCN fixed or breakaway stop.

MAXIMUM OPENING
Template allows 90 degree power opening and 90 degree manual opening.

- **Head Frame** minimum 52” (L) x 5-3/4” (H) x 4-1/2” (W) (1524 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2” (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.
- **Head Frame** minimum 52” (L) x 5-3/4” (H) x 4-1/2” (W) (1324 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2” (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.
2850 SERIES

ACCESSORIES

MOTOR GEARBOX
MOTOR GEARBOX – SENIOR SWING, 2850-3454
Driving mechanism for operator. Provides maximum of 15 lbs opening force. Handed.

MOUNTING BRACKET
MOUNTING BRACKET – 3-3/4˝, 2850-375
Motor gearbox mounting bracket for 3-3/4˝ offset pivot, butt hinge or center pivot with finger guard installations. Front bracket.

MOUNTING BRACKET – 2-3/4˝, 2850-275

REAR MOUNT BRACKET, 2850-3018
Motor gearbox mounting bracket. Rear bracket.

CONTROL BOXES
CONTROL BOX – SENIOR SWING, 2850-3462
Electronic controlling device for Senior Swing.

COMPANION CABLE, 2850-982
Cable that allows one control box to run two motor gearboxes. For use with Senior Swing.

HEADERS
HEADER, 2850-3572HL
Standard, mounting header. Pair door, two operators. Specify length 52˝ to 98˝ maximum.

END CAPS
HEADER END CAPS, 2850-334
End cap with openings for wiring.

ARMS
CENTER PIVOT ARM, 2850-3077CP
(CENTER PIVOT INSTALLATIONS ONLY)
Used with overhead concealed operators and center pivoted doors.

OFFSET PIVOT ARM, 2850-3077OP
(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)
Handed arm. Used with overhead concealed operators.

OFFSET PIVOT ARM ASSEMBLY COMPLETE, 2850-3077OPCM
Offset arm with track and concealing channel. Includes 3072 Concealing Channel, 168 Slide Channel and 30770P offset pivot arm.
CHANNELS

CONCEALING CHANNEL, 2850-3072
Used to conceal arm in overhead concealed applications. For offset pivot and butt hinges installations only. If ordering separately specify length and hand.

SLIDE CHANNEL, 2850-168
(OFFSET PIVOT or BUTT HINGE INSTALLATIONS ONLY)
Mounts in top rail of door. Allows arm to slide.

INSTALLATION ACCESSORIES

DOOR STOP BREAKAWAY, 2850-384B
Allows in-swinging door to swing out in case of emergency. For center pivoted installations only.

DOOR STOP FIXED, 2850-384F
Prevents out-swinging door from swinging in. For center pivoted installations only.

FILLER PLATE BLANK, 2850-12
Completes length of header box.

SPINDLE PLATE – 2-3/4”, 2850-11A

SPINDLE PLATE – 3-3/4”, 2850-11B
Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 3-3/4” offset pivot, butt hinge or center pivot with finger guard installations.

PIVOTS

BOTTOM PIVOT ASSEMBLY, 2850-3107
Includes pivot body, pivot post and bottom pivot plate. For overhead concealed, center pivoted installations. Includes; 2850-107, 2850-110 and 2850-117.

PIVOT BODY, 2850-107
Bottom pivot body for center pivoted installations.

PIVOT POST, 2850-110
Connects pivot body to bottom pivot plate for center pivoted installations.

BOTTOM PIVOT PLATE, 2850-117
Applied to floor for center pivoted installations.
2850 SERIES

TABLE OF SIZES

<table>
<thead>
<tr>
<th>COMBINED DOOR WIDTH</th>
<th>52&quot;</th>
<th>96&quot;</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1524mm</td>
<td>2438mm</td>
</tr>
<tr>
<td>Minimum Combined Door Width</td>
<td></td>
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</tbody>
</table>

Indicates recommended range of door width for operator.

NOTE: For all Senior Swing Series.

Simultaneous Pair – Width per leaf 26” minimum to 48” maximum.

HOW-TO-ORDER

2850 SERIES OPERATORS

1. SELECT INSTALLATION TYPE
   - 2853

2. SPECIFY ARMS
   - 3-3/4” (Offset pivoted) Arm (3077OP)
   - 2-3/4” (Center pivoted) Arm (3077CP)
   - 3-3/4” (Center pivoted) Arm (3077CP)

3. SPECIFY HAND (If double egress)
   - RH
   - LH

4. SPECIFY HEADER/LENGTHS
   - HL__ (Specify length 52” to 98”)

5. SPECIFY FINISH
   - Standard Anodized Finish __________
     Aluminum or Dark Bronze.

   Operator will be shipped with:
   - STANDARD MOTOR GEARBOX (1 LH & 1 RH),
   - STANDARD CONTROL BOX,
   - COMPANION CABLE,
   - HEADER (at specified length - 72” standard),
   - 2-3/4” PIVOT POINT,
   - WOOD and MACHINE SCREW PACK
   Unless options listed below are selected.

OPERATOR OPTIONS

STOPS*
   - Pair Positive Mechanical Stop (POS)
   - Pair Panic Breakaway Stop (BKY)

*Available with Center Pivoted installations only.

ORDERING INFORMATION

2853

COMBINED DOOR WIDTH

<table>
<thead>
<tr>
<th>52”</th>
<th>96”</th>
</tr>
</thead>
<tbody>
<tr>
<td>1524mm</td>
<td>2438mm</td>
</tr>
</tbody>
</table>

Indicates recommended range of door width for operator.

NOTE: For all Senior Swing Series.

Simultaneous Pair – Width per leaf 26” minimum to 48” maximum.
The 2860 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operator when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

2860 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 2860 Series is UL listed for fire-rated applications. The 2860 Series also meets the provisions of the Americans with Disabilities Act.

- 2860 Series operator is shipped with motor gearboxes, control boxes, bottom pivots, arms, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Independent pair of doors, overhead concealed.
- Meets ADA requirements (power mode only).
- Handed for double egress applications only.
- 72” header length is standard. Specify other length 65” to 98” max. Consult factory regarding this option.
- Optional fixed (POS) or breakaway stop (BKY) available (center pivot arm) - Header lengths 70” to 98” max with either (POS) or (BKY).
- Adjustable hold open time of 1 to 32 seconds.
**2860 SERIES**

**CONCEALED INDEPENDENT PAIR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING**
Minimum header length 65” with applied stop by others and 70” with LCN Positive or Breakaway Stop.

**CONCEALED INDEPENDENT PAIR (CENTER PIVOT, FIXED STOP, PUSH) MOUNTING**
Minimum header length 65” with applied stop by others and 70” with LCN Positive or Breakaway Stop.

**MAXIMUM OPENING**
Template allows 90 degree power opening and 90 degree manual opening.

- **Head Frame** minimum 65” (L) x 5 3/4” (H) x 4 1/2” (W) (1651 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2” (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.
- **Head Frame** minimum 65” (L) x 5-3/4” (H) x 4-1/2” (W) (1651 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2” (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required for each door panel.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

**MAXIMUM OPENING**
Template allows 90 degree power opening and 90 degree manual opening.

Contact LCN Product Support for installation assistance.
2860 SERIES

ACCESSORIES

MOTOR GEARBOX
MOTOR GEARBOX – SENIOR SWING, 2860-3454
Driving mechanism for operator. Provides maximum of 15 lbs opening force. Handed.

MOUNTING BRACKET
MOUNTING BRACKET – 3-3/4˝, 2860-375
Motor gearbox mounting bracket for 3-3/4˝ offset pivot, butt hinge or center pivot with finger guard installations. Front bracket.

MOUNTING BRACKET – 2-3/4˝, 2860-275

REAR MOUNT BRACKET, 2860-3018
Motor gearbox mounting bracket. Rear bracket.

CONTROL BOXES
CONTROL BOX – SENIOR SWING, 2860-3462
Electronic controlling device for Senior Swing.

HEADERS
HEADER, 2860-3572HL
Standard, mounting header. Pair door, two operators. Specify length 65˝ to 98˝ maximum.

END CAPS
HEADER END CAPS, 2860-334
End cap with openings for wiring.

ARMS
CENTER PIVOT ARM, 2860-3077CP
(CENTER PIVOT INSTALLATIONS ONLY)
Used with overhead concealed operators and center pivoted doors.

OFFSET PIVOT ARM, 2860-3077OP
(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)
Used with overhead concealed operators.

OFFSET PIVOT ARM ASSEMBLY COMPLETE, 2860-3077OPCM
Offset arm with track and concealing channel. Includes 3072 Concealing Channel, 168 Slide Channel and 30770P offset pivot arm.
CHANNELS
CONCEALING CHANNEL, 2860-3072
Used to conceal arm in overhead concealed applications. For offset pivot and butt hinge installations only. If ordering separately specify length and hand.

SLIDE CHANNEL, 2860-168
(OFFSET PIVOT or BUTT HINGE INSTALLATIONS ONLY)
Mounts in top rail of door. Allows arm to slide.

INSTALLATION ACCESSORIES
DOOR STOP BREAKAWAY, 2860-384B
Allows in-swinging door to swing out in case of emergency. For center pivoted installations only.

DOOR STOP FIXED, 2860-384F
Prevents out-swinging door from swinging in. For center pivoted installations only.

FILLER PLATE BLANK, 2860-12
Completes length of header box.

SPINDLE PLATE – 2-3/4”, 2860-11A

SPINDLE PLATE – 3-3/4”, 2860-11B
Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 3-3/4” offset pivot/butt hinge or center pivot with finger guard installations.

PIVOTS
BOTTOM PIVOT ASSEMBLY, 2860-3107
Includes pivot body, pivot post and bottom pivot plate. For overhead concealed, center pivoted installations. Includes; 2860-107, 2860-110 and 2860-117.

PIVOT BODY, 2860-107
Bottom pivot body for center pivoted installations.

PIVOT POST, 2860-110
Connects pivot body to bottom pivot plate for center pivoted installations.

BOTTOM PIVOT PLATE, 2860-117
Applied to floor for center pivoted installations.
HOW-TO-ORDER
2860 SERIES OPERATORS

1. SELECT INSTALLATION TYPE
   □ 2863

2. SPECIFY ARMS
   □ Standard 3-3/4” (Offset pivoted) Arm (3077OP)
   □ Standard 2-3/4” (Center pivoted) Arm (3077CP)
   □ Standard 3-3/4” (Center pivoted) Arm (3077CP)

3. SPECIFY HAND (only for double egress)
   □ RH
   □ LH

4. SPECIFY HEADER/LENGTHS
   □ HL___ (Specify length 65” to 98”)

5. SPECIFY FINISH
   □ Standard Anodized Finish ____________
     Aluminum or Dark Bronze.

Operator will be shipped with:
- STANDARD MOTOR GEARBOX (1 LH & 1 RH),
- STANDARD CONTROL BOX (2 ea),
- HEADER (at specified length, 72” standard),
- 2-3/4” PIVOT POINT,
- WOOD and MACHINE SCREW PACK

Unless options listed below are selected.

OPERATOR OPTIONS
STOPS*
   □ Pair Positive Mechanical Stop (POS)
   □ Pair Panic Breakaway Stop (BKY)

*Available with Center Pivoted installations only.

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TABLE OF SIZES

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>65”</th>
<th>96”</th>
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</thead>
<tbody>
<tr>
<td>1651mm</td>
<td>2438mm</td>
<td></td>
</tr>
</tbody>
</table>

Indicates recommended range of door width for operator.

NOTE: For all Senior Swing Series.
      Independent Pair – Width per leaf 32-1/2” minimum to 48” maximum.
The 9530 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push ‘N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

9530 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9530 Series is UL listed for fire-rated applications. The 9530 Series also meets the provisions of the Americans with Disabilities Act.

- 9530 Series operator is shipped with motor gearbox, control box, standard arm, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Single door, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- 36” header length is standard. Specify length 33” to 48” max.
- Double door header available up to 98”, specify other length 49” to 98” max. Consult factory regarding this option.
- Adjustable hold open period of 2 to 32 seconds in automatic or manual mode.
TOP JAMB SINGLE DOOR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PULL) MOUNTING

NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced doors.

HOLLOW METAL FRAME
Suggested Installation.

MAXIMUM OPENING
Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5” (127 mm) in width.
- **Reveal** should not exceed 4” (102 mm).
- **Head Frame** minimum 1-3/4” (44 mm). Face frame 6-3/4” (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4” (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.
MOTOR GEARBOX
MOTOR GEARBOX – SENIOR SWING, 9530-3454
Driving mechanism for operator. Provides maximum of 15 lbs opening force. Handed.

MOUNTING BRACKET
MOUNTING BRACKET – 2-3/4˝, 9530-275
Motor gearbox mounting bracket for 2-3/4˝ offset pivot or butt hinge installations. Front bracket.

REAR MOUNT BRACKET, 9530-3018
Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9530-334-1
Mounting bracket for surface applications. (Includes 2 mounting brackets).

CONTROL BOXES
CONTROL BOX – SENIOR SWING, 9530-3462
Electronic controlling device for Senior Swing.

HEADERS
HEADER, 9530-3572HL
Standard, mounting header. Single door, single operator. Specify length 33˝ to 48˝ maximum.

HEADER, 9530-3572DD
Standard, mounting header. Double door, single operator. Specify length 49˝ to 98˝ maximum.

END CAPS
HEADER END CAPS, 9530-334
End cap with openings for wiring.

END DRESS PLATE, 9530-334-2
Metal finish end cap.
9530 SERIES

ARMS
STANDARD ARM ASSEMBLY, 9530-3077PLCM
Handed arm. Track roller included. (Includes 3038, 3077T, 3034 & 73).

STANDARD ARM, 9530-3077T
Handed arm. Track roller not included.

TRACKS
TRACK 9530-3038
Standard non-handed track. (Includes 3034 & 73).

TRACK END CAP 9530-73
Black plastic end caps.

ROLLER, 9530-3034
Quiet low friction roller assembly.

INSTALLATION ACCESSORIES
SPINDLE PLATE – 2-3/4”, 9530-11A
Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4” offset pivot or butt hinge installations.

FILLER PLATE BLANK, 9530-12
Completes length of header box. (Specify Length).

MOUNTING PLATE, 9530-18
Optional mounting plate for standard hollow metal door frames. Specify length 36-1/2” to 101-1/2” maximum, when angle brackets. Specify length 33” to 98” maximum when using end dress plates.

NOTE: The length of a universal 18 plate will need to be ordered 3-1/2” longer than the supplied header when using angle brackets.
TABLE OF SIZES

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>33”</th>
<th>48”</th>
</tr>
</thead>
<tbody>
<tr>
<td>838mm</td>
<td>1219mm</td>
<td></td>
</tr>
</tbody>
</table>

9530 SERIES

HOW-TO-ORDER

1. SPECIFY HAND
   - RH
   - LH

2. SPECIFY HEADER/LENGTH
   - HL __ (Specify length 33” to 48”)
   - DD __ (Specify length 49” to 98”)

3. SPECIFY FINISH
   - Standard Anodized Finish __________
     Aluminum or Dark Bronze.

Operator will be shipped with:
- STANDARD MOTOR GEARBOX,
- STANDARD CONTROL BOX,
- HEADER (at specified Length, 36” standard),
- STANDARD ARM (3077T),
- 2-3/4” PIVOT POINT,
- STANDARD TRACK w/TRACK ROLLER,
- MACHINE SCREW PACK

Unless options listed below are selected:

OPERATOR OPTIONS

MOUNTING PLATE
   - Plate, ____ (Specify Length 33” to 101-1/2”)

NOTE: For all Senior Swing Series.
Single Door - Width per leaf 33” minimum, 48” maximum.
The 9540 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

9540 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9540 Series is UL listed for fire-rated applications. The 9540 Series also meets the provisions of the Americans with Disabilities Act.

- 9540 Series operator is shipped with motor gearbox, control box, regular arm, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Single door, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- 36˝ header length is standard. Specify length 33˝ to 48˝ max.
- Double door header available up to 98˝, specify other length 49˝ to 98˝ max. Consult factory regarding this option.
- Adjustable hold open period of 2 to 32 seconds in automatic or manual mode.
TOP JAMB SINGLE DOOR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING

Consult factory for all balance door installations.

HOLLOW METAL FRAME
Suggested Installation.

MAXIMUM OPENING
Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5" (127 mm) in width.
- **Reveal** for push installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- **Head Frame** minimum 1-3/4" (44 mm). Face frame 6-3/4" (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4" (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.
MOTOR GEARBOX
MOTOR GEARBOX – SENIOR SWING, 9540-3454
Driving mechanism for operator. Provides 15 lbs opening force. Handed.

MOUNTING BRACKET
MOUNTING BRACKET – 2-3/4”, 9540-275
Motor gearbox mounting bracket for 2-3/4” offset pivot or butt hinge installations. Front bracket.

REAR MOUNT BRACKET, 9540-3018
Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9540-334-1
Mounting bracket for surface applications. (Includes 2 mounting brackets).

CONTROL BOXES
CONTROL BOX – SENIOR SWING, 9540-3462
Electronic controlling device for Senior Swing.

HEADERS
Header, 9540-3572HL
Standard, mounting header. Single door, single operator. Specify length 33” to 48” maximum.

Header, 9540-3572DD
Standard, mounting header. Double door, single operator. Specify length 49” to 98” maximum.

END CAPS
HEADER END CAPS, 9540-334
End cap with openings for wiring.

END DRESS PLATE, 9540-334-2
Metal finish end cap.
## 9540 SERIES

### ARMS

**REGULAR ARM ASSEMBLY, 9540-3077**
- Handed arm.

**REGULAR LONG ARM ASSEMBLY, 9540-3077L**
- Handed arm.

### MAIN ARM, 9540-77
- Handed arm attaches to motor gearbox.

### LINKAGE ASSEMBLY – 15˝, 9540-79
- Threaded rod attaches to door. Extends from main arm.

### LINKAGE ASSEMBLY – 32˝, 9540-79LR
- Threaded long rod attaches to door. Extends from main arm.
- Used for reveal 10˝ to 20˝.

### INSTALLATION ACCESSORIES

**SPINDLE PLATE – 2-3/4˝, 9540-11A**

**FILLER PLATE BLANK, 9540-12**
- Completes length of header box. (Specify length).

**MOUNTING PLATE, 9540-18**
- Optional mounting plate for standard hollow metal door frames.
- Specify length 36-1/2˝ to 101-1/2˝ maximum, when angle brackets.
- Specify length 33˝ to 98˝ maximum when using end dress plates.

*NOTE:* The length of a universal 18 plate will need to be ordered 3-1/2˝ longer than the supplied header when using angle brackets.
HOW-TO-ORDER
9540 SERIES OPERATORS

1. SPECIFY HAND
   □ RH
   □ LH

2. SPECIFY HEADER/LENGTH
   □ HL __ (Specify length 33” to 48”)
   □ DD __ (Specify length 49” to 98”)

3. SPECIFY FINISH
   □ Standard Anodized Finish __________
      Aluminum or Dark Bronze.

   Operator will be shipped with:
      - STANDARD MOTOR GEARBOX,
      - STANDARD CONTROL BOX,
      - HEADER (at specified length, 36” standard),
      - REGULAR ARM (3077),
      - 2-3/4” PIVOT POINT,
      - WOOD and MACHINE SCREW PACK

Unless options listed below are selected.

OPERATOR OPTIONS

MOUNTING PLATE
   □ Plate, ____ (Specify Length 33” to 101-1/2”)

ARM
   □ Long Arm (3077L)

TABLE OF SIZES

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>33”</th>
<th>48”</th>
</tr>
</thead>
<tbody>
<tr>
<td>838mm</td>
<td>1219mm</td>
<td></td>
</tr>
</tbody>
</table>

9542

Minimum Door Width

 Indicates recommended range of door width for operator.

NOTE: For all Senior Swing Series.

Single Door - Width per leaf 33” minimum, 48” maximum.
The 9550 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push ‘N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

9550 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9550 Series is UL listed for fire-rated applications. The 9550 Series also meets the provisions of the Americans with Disabilities Act.

9550 Series operator is shipped with motor gearboxes, control box, arms, header, and mounting hardware. Actuators available separately, see pages 122-137.

- Simultaneous pair, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- Pull, Push or Double Egress applications available.
- 72” header length is standard. Specify other length 52” to 98”. Consult factory regarding this option.
- Adjustable hold open period of 2 to 32 seconds in automatic or manual mode.
TOP JAMB SIMULTANEOUS PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING

Consult factory for all balanced door installations.

TOP JAMB SIMULTANEOUS PAIR (OFFSET PIVOT/ BUTT HINGE, CENTER PIVOT, PULL) MOUNTING

NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced doors.

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5” (127 mm) in width.
- **Reveal for push** installations should not exceed 10” (254 mm) for REGULAR ARM and 20” (508 mm) for LONG ARM.
- **Reveal for pull** installations should not exceed 4” (102 mm).
- **Reveal** for double egress installations should not exceed 4” (102 mm).
- **Head Frame** minimum 1-3/4” (44 mm). Face frame 6-3/4” (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4” (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for installation assistance.
Butt Hinges should not exceed 5˝ (127 mm) in width.

Reveal for push installations should not exceed 10˝ (254 mm) for REGULAR ARM and 20˝ (508 mm) for LONG ARM.

Reveal for pull installations should not exceed 4˝ (102 mm).

Reveal for double egress installations should not exceed 4˝ (102 mm).

Head Frame minimum 1-3/4˝ (44 mm). Face frame 6-3/4˝ (171 mm) total operator clearance.

Top Rail minimum 2-3/4˝ (70 mm).

Opening & Closing Time are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.

System Diagram see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.
9550 SERIES

ACCESSORIES

MOTOR GEARBOX
MOTOR GEARBOX – SENIOR SWING, 9550-3454
Driving mechanism for operator. Provides 15 lbs opening force. Handed.

MOUNTING BRACKETS
MOUNTING BRACKET – 2-3/4˝, 9550-275
Motor gearbox mounting bracket for 2-3/4˝ offset pivot or butt hinge installations. Front bracket.

REAR MOUNT BRACKET, 9550-3018
Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9550-334-1
Mounting bracket for surface applications. (Includes 2 mounting brackets).

CONTROL BOXES
CONTROL BOX – SENIOR SWING, 9550-3462
Electronic controlling device for Senior Swing.

COMPANION CABLE, 9550-982
Cable that allows one control box to run two motor gear boxes. Companion cable. For use with Senior Swing.

HEADERS
HEADER, 9550-3572HL
Standard, mounting header. Pair door, two operators. Specify length 52˝ to 98˝ maximum.

END CAPS
HEADER ENDCAPS, 9550-334
End cap with openings for wiring.

END DRESS PLATE, 9550-334-2
Metal finish end cap.
ARMS
STANDARD ARM ASSEMBLY, 9550-3077PLCM
Handed arm. (Includes 3077 regular arm assembly, 3038 track, and 3034 track roller).

REGULAR ARM ASSEMBLY, 9550-3077
Handed arm. (Includes 77 main arm assembly and 79 linkage assembly).

REGULAR LONG ARM ASSEMBLY, 9550-3077L
Handed arm. (Includes 77 main arm assembly and 79LR linkage assembly).

STANDARD ARM, 9550-3077T
Handed arm. Track roller not included.

MAIN ARM, 9550-77
Handed arm attaches to motor gearbox.

LINKAGE ASSEMBLY – 15˝, 9550-79
Threaded rod attaches to door. Extends from main arm.

LINKAGE ASSEMBLY – 32˝, 9550-79LR
Threaded long rod attaches to door. Extends from main arm. Used for reveal 10˝ to 20˝.

TRACKS
TRACK 9550-3038
Standard non-handed track.

TRACK END CAP 9550-73
Black plastic end caps.

ROLLER, 9550-3034
Quiet low friction roller assembly.

INSTALLATION ACCESSORIES
SPINDLE PLATE – 2-3/4˝, 9550-11A

FILLER PLATE BLANK, 9550-12
Completes length of header box. (Specify length).

MOUNTING PLATE, 9550-18
Optional mounting plate for standard hollow metal door frames. Specify length 55-1/2˝ to 101-1/2˝ maximum when using angle brackets. Specify length 52˝ to 98˝ maximum when using dress plates.

NOTE: The length of a universal 18 plate will need to be ordered 3-1/2˝ longer than the supplied header when using angle brackets.
HOW-TO-ORDER
9550 SERIES OPERATORS

1. SPECIFY HAND
   □ RH
   □ LH

2. SPECIFY HEADER / LENGTH
   □ HL__ (Specify length 52” to 98”)
     regular or long arm
   □ HL__ (Specify length 60” to 98”)
     for standard or DE arm

3. SPECIFY FINISH
   □ Standard Anodized Finish ______________
     Aluminum or Dark Bronze.

Operator will be shipped with:
- STANDARD MOTOR GEARBOX (SF) (2 ea),
- STANDARD CONTROL BOX (SC),
- METAL COVER (at specified length 72” standard),
- REGULAR ARM (2 ea),
- 2-3/4˝ PIVOT POINT,
- MACHINE SCREW PACK

OPERATOR OPTIONS

MOUNTING PLATE
   □ Plate, ____ (Specify Length 52” to 101-1/2”)

ARM
   □ Standard Arm (2 ea)
     w/Standard Track (2 ea)
   □ Double Egress
     Includes Standard Arm w/Track (1 ea)
     & Regular Arm (1 ea)
   □ Long Arm (3077L)

NOTE: For all Senior Swing Series.
Simultaneous Pair – Width per leaf 30” minimum to 48” maximum.
The 9560 SENIOR SWING by LCN is an ADA door operator that is a two-in-one swing door operator. SENIOR SWING operators when activated, opens doors automatically for wheelchair access, yet allows for manual operation for regular pedestrian traffic.

- Push 'N Go permits non-switch activation.
- Power Boost provides additional latching force.
- Electromechanical unit with microprocessor control.
- Digital keypad for easy setup.
- Meets International Building Code requirements and ANSI A156.19.
- UL approved for fire doors.

9560 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9560 Series is UL listed for fire-rated applications. The 9560 Series also meets the provisions of the Americans with Disabilities Act.

- 9560 Series operator is shipped with motor gearboxes, control boxes, arms, header, and mounting hardware. Actuators available separately, see pages 122-137.
- Independent pair, surface mounted.
- Meets ADA requirements (power mode only).
- Handed product.
- Pull, Push or Double Egress applications available.
- 72” header length is standard. Specify other length 65” to 98”. Consult factory regarding this option.
- Adjustable hold open period of 2 to 32 seconds in automatic or manual mode.
9560 SERIES

TOP JAMB INDEPENDENT PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING

Consult factory for all balanced door installations.

TOP JAMB INDEPENDENT PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PULL) MOUNTING

NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced doors.

MAXIMUM OPENING

Template allows 90 degree power opening and 90 degree manual opening.

- Butt Hinges should not exceed 5” (127 mm) in width.
- Reveal for push installations should not exceed 10” (254 mm) for REGULAR ARM and 20” (508 mm) for LONG ARM.
- Reveal for pull installations should not exceed 4” (102 mm).
- Reveal for double egress installations should not exceed 4” (102 mm).
- Head Frame minimum 1-3/4” (44 mm). Face frame 6-3/4” (171 mm) total operator clearance.
- Top Rail minimum 2-3/4” (70 mm).
- Opening & Closing Time are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- System Diagram see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for assistance.
**9560 SERIES**

**TOP JAMB INDEPENDENT PAIR (RH DOUBLE EGRESS) MOUNTING**

*NOTE: Cannot be used with swing clear hinges, pocket pivots or balanced doors.*

**HOLLOW METAL FRAME**

Suggested Installation.

**MAXIMUM OPENING**

Template allows 90 degree power opening and 90 degree manual opening.

- **Butt Hinges** should not exceed 5” (127 mm) in width.
- **Reveal for push** installations should not exceed 10” (254 mm) for REGULAR ARM and 20” (508 mm) for LONG ARM.
- **Reveal for pull** installations should not exceed 4” (102 mm).
- **Reveal** for double egress installations should not exceed 4” (102 mm).
- **Head Frame** minimum 1-3/4” (44 mm). Face frame 6-3/4” (171 mm) total operator clearance.
- **Top Rail** minimum 2-3/4” (70 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **System Diagram** see “AUTOMATIC OPERATORS” section pages 53 for typical system wiring and page 56 for electrical data.

Contact LCN Product Support for assistance.
9560 SERIES

ACCESSORIES

MOTOR GEARBOX
MOTOR GEARBOX – SENIOR SWING, 9560-3454
Driving mechanism for operator. Provides 15 lbs opening force. Handed.

MOUNTING BRACKETS
MOUNTING BRACKET – 2-3/4˝, 9560-275
Motor gearbox mounting bracket for 2-3/4˝ offset pivot or butt hinge installations. Front bracket.

REAR MOUNT BRACKET, 9560-3018
Motor gearbox mounting bracket. Rear bracket.

ANGLED BRACKET, 9560-334-1
Mounting bracket for surface applications. (Includes 2 mounting brackets).

CONTROL BOXES
CONTROL BOX – SENIOR SWING, 9560-3462
Electronic controlling device for Senior Swing.

HEADERS
HEADER, 9560-3572HL
Standard, mounting header. Pair door, two operators. Specify length 65˝ to 98˝ maximum.

END CAPS
HEADER END CAPS, 9560-334
End cap with openings for wiring.

END DRESS PLATE, 9560-334-2
Metal finish end cap.
ARMS
STANDARD ARM ASSEMBLY, 9560-3077PLCM
Handed arm. (Includes 3077 regular arm assembly, 3038 track, and 3034 track roller).

REGULAR ARM ASSEMBLY, 9560-3077
Handed arm. (Includes 77 main arm and 79 linkage assembly).

REGULAR LONG ARM ASSEMBLY, 9560-3077L
Handed arm. (Includes 77 main arm assembly and 79LR linkage assembly).

STANDARD ARM, 9560-3077T
Handed arm. Track roller not included.

MAIN ARM, 9560-77
Handed arm attaches to motor gearbox.

LINKAGE ASSEMBLY – 15˝, 9560-79
Threaded rod attaches to door. Extends from main arm.

LINKAGE ASSEMBLY – 32˝, 9560-79LR
Threaded long rod attaches to door. Extends from main arm. Used for reveal 10˝ to 20˝.

TRACKS
TRACK 9560-3038
Standard non-handed track.

TRACK END CAP 9560-73
Black plastic end caps.

ROLLER, 9560-3034
Quiet low friction roller assembly.

INSTALLATION ACCESSORIES
SPINDLE PLATE – 2-3/4˝, 9560-11A

FILLER PLATE BLANK, 9560-12
Completes length of header box. (Specify length).

MOUNTING PLATE, 9560-18
Optional mounting plate for standard hollow metal door frames. Specify length 68-1/2˝ to 101-1/2˝ maximum when using angle brackets. Specify length 65˝ to 98˝ maximum when using dress plates.

NOTE: The length of a universal 18 plate will need to be ordered 3-1/2˝ longer than the supplied header.
### 9560 SERIES

#### TABLE OF SIZES

<table>
<thead>
<tr>
<th>COMBINED DOOR WIDTH</th>
<th>60”</th>
<th>96”</th>
</tr>
</thead>
<tbody>
<tr>
<td>1524mm</td>
<td>2438mm</td>
<td></td>
</tr>
</tbody>
</table>

- **9563**
  - Minimum Combined Door Width

- Indicates recommended range of door width for operator.

**NOTE:** For all Senior Swing Series

- Independent Pair – Width per leaf 30” minimum to 48” maximum.

#### ORDERING INFORMATION

**HOW-TO-ORDER 9560 SERIES OPERATORS**

1. **SPECIFY HAND**
   - RH
   - LH

2. **SPECIFY HEADER / LENGTH**
   - HL__ (Specify length 65” to 98”)
     - regular or long arm

3. **SPECIFY FINISH**
   - Standard Anodized Finish ___________
     - Aluminum or Dark Bronze

**Operator will be shipped with:**

- STANDARD MOTOR GEARBOX (SF) (2 ea),
- STANDARD CONTROL BOX (SC),
- METAL COVER (at specified length 72” standard),
- REGULAR ARM (2 ea),
- 2-3/4” PIVOT POINT,
- MACHINE SCREW PACK

**OPERATOR OPTIONS**

**MOUNTING PLATE**

- Plate, ____ (Specify Length 65” to 101-1/2”)

**ARM**

- Standard Arm (2 ea)
  - w/Standard Track (2 ea)
- Double Egress
  - Includes Standard Arm w/Track (1 ea)
  - & Regular Arm (1 ea)
- Long Arm (3077L)