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
- Tested up to 10,000,000 cycles
- 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 199-215.
- 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 or breakaway stop available with center pivot arm.
- Adjustable hold open period of 1 to 32 seconds in automatic or manual mode.
CONCEALED SINGLE DOOR (CENTER PIVOT, EMERGENCY BREAKOUT, PULL) MOUNTING
Minimum header length 36”.

CONCEALED SINGLE DOOR (CENTER PIVOT, FIXED STOP, PUSH) MOUNTING
Minimum header length 36”.

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 54-55 for typical system wiring and page 58 for electrical data.
- Please consult your local SSC representative or LCN for assistance with specific installations and material requirements.

Special Templates
Customized installation templates or products may be available to solve unusual applications. Contact LCN for 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).

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**System Diagram** see “AUTOMATIC OPERATORS” section pages 54-55 for typical system wiring and page 58 for electrical data.

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LCN 2810 SERIES

ACCESSORIES

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

MOTOR GEARBOX (REDUCED FORCE) – SENIOR SWING, 2810-3454RF
Driving mechanism for operator. Provides 11lbs opening force. Handed.

MOUNTING BRACKET
MOUNTING BRACKET – 3 3/4”, 2810-375
Motor gearbox mounting bracket for 3 3/4” center, offset pivot, butt hinge installations. Front bracket.

MOUNTING BRACKET – 2 3/4”, 2810-275
Motor gearbox mounting bracket for 2 3/4” center pivot installations. Front bracket.

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 30” 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)
Handed arm. Used with overhead concealed operators.
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 concealing channel. Allows arm to slide.

INSTALLATION ACCESSORIES
DOOR STOP BREAKAWAY, 2810-384B
Allows in swinging door to swing out in case of emergency (Pull installations). For center pivoted installations only.

DOOR STOP FIXED, 2810-384F
Prevents out swinging door from swinging in (Push installations). 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

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.
TABLE OF SIZES
Indicates recommended range of door width for operator.
Note: For all Senior Swing Series
Single Door - Width per leaf 36” minimum, 48” maximum

<table>
<thead>
<tr>
<th>DOOR WIDTH</th>
<th>36”</th>
<th>48”</th>
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</thead>
<tbody>
<tr>
<td>Minimum</td>
<td>914mm</td>
<td>1219mm</td>
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<tr>
<td>2811</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HOW-TO-ORDER
2810 SERIES OPERATORS

1. SELECT INSTALLATION TYPE
   - 2811

2. 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
   - RH
   - LH

4. SPECIFY FINISH.
   - Standard Anodized Finish ________________
     Aluminum or Dark Bronze

Operator will be shipped with:
- STANDARD MOTOR GEARBOX (SF)
- STANDARD CONTROL BOX (SC)
- 36” HEADER (36HL)
- 2 3/4” PIVOT POINT
- WOOD and MACHINE SCREW PACK
Unless options listed below are selected.

OPERATOR OPTIONS
HEADER
   - HL__ (Specify length 33” to 49” offset pivot)
   - HL__ (Specify length 36” to 49” center pivot)
   - DD__ (Specify length 49” to 98”)

STOPS*
   - Positive Mechanical Stop (POS)
   - Panic Breakaway Stop (BKY)
*Available with Center Pivoted installations only.

FINISH
   - Custom Anodized Finish ____________
   - Custom Painted Finish ____________

SPECIAL TEMPLATE
   - ST-_________

ORDERING INFORMATION