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
- Tested internally to over 10,000,000 cycles
- 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 199-215.
- Single door, surface mounted.
- 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 other length 49” to 98” max. Consult factory regarding this option.
- Adjustable hold open period of 1 to 32 seconds in automatic or manual mode.

9540 Series is shipped with motor gearbox, control box, regular arm, header, and mounting hardware. Actuators available separately, see pages 199-215.
TOP JAMB SINGLE DOOR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING DETAILS

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 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.
**LCN 9540 SERIES**

**MOTOR GEARBOX**
**MOTOR GEARBOX (STANDARD FORCE) – SENIOR SWING, 9540-3454**
Driving mechanism for operator. Provides 15lbs opening force. Handed.

**MOTOR GEARBOX (REDUCED FORCE) – SENIOR SWING, 9540-3454RF**
Driving mechanism for operator. Provides 11lbs 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.

**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 30” to 49” 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.
**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**
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, 9540-12**
Completes length of header box. (Specify Length)

**MOUNTING PLATE, 9540-18**
Optional mounting plate for standard hollow metal door frames. Specify length 33” to 98” maximum. 

**NOTE**: The length of a universal 18 plate will need to be ordered 3 1/2” longer than the supplied header.
**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’’ (914mm)</th>
<th>48’’ (1219mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Door Width</td>
<td>9542</td>
<td>9542</td>
</tr>
</tbody>
</table>

**HOW-TO-ORDER 9540 SERIES OPERATORS**

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

2. **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)
   - REGULAR ARM (3077)
   - 2 3/4” PIVOT POINT
   - WOOD and MACHINE SCREW PACK

   Unless options listed below are selected.

**OPERATOR OPTIONS**

**MOTOR GEARBOX**
- Reduced Force Motor Gearbox (RF)

**HEADER**
- HL __ (Specify length 36” to 49”)
- DD__ (Specify length 49” to 98”)

**MOUNTING PLATE**
- Plate, ____ (Specify Length 30” to 98”)

**ARM**
- Long Arm (3077L)

**FINISH**
- Custom Anodized Finish ______________
- Custom Painted Finish ______________

**SPECIAL TEMPLATE**
- ST________