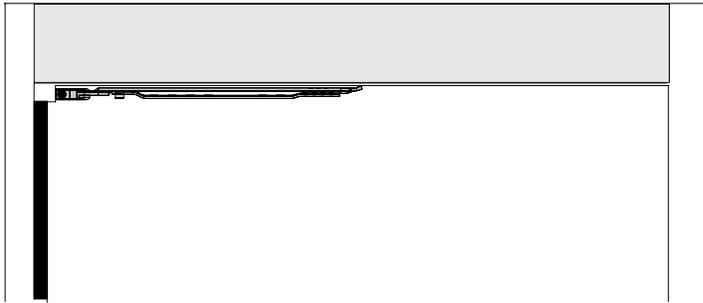


2810 SERIES

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



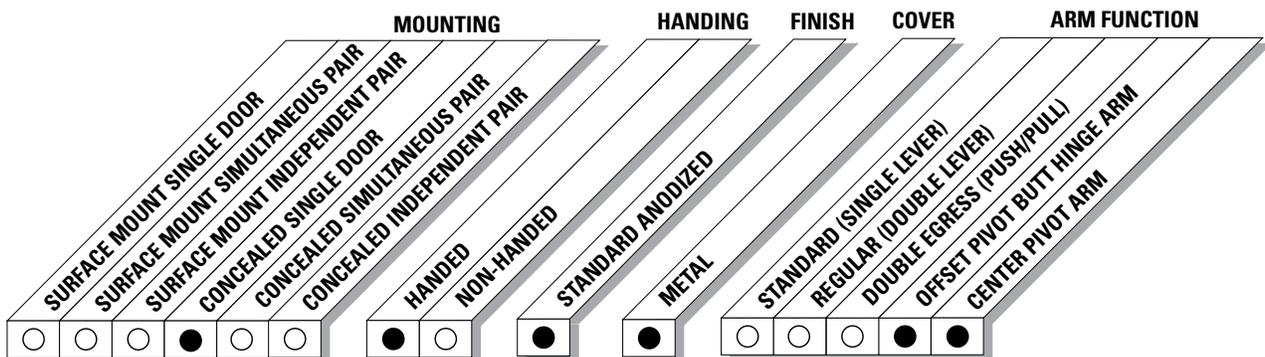
*CENTER PIVOT arm shown

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 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.

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.

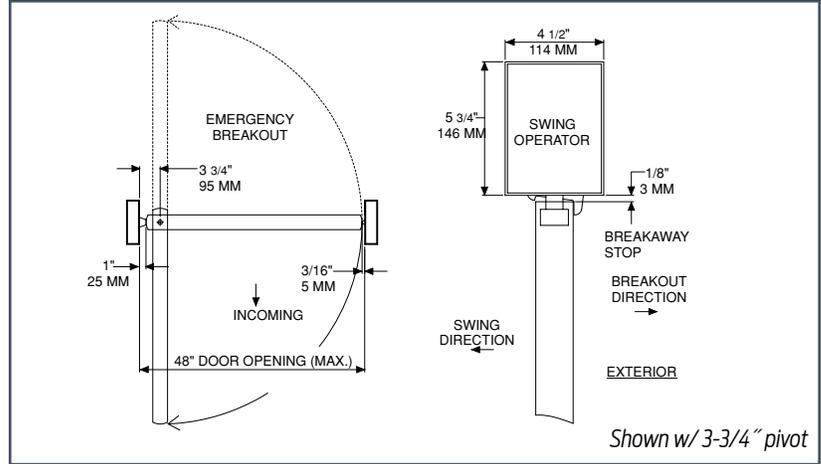


● AVAILABLE
○ NOT AVAILABLE

2810 SERIES

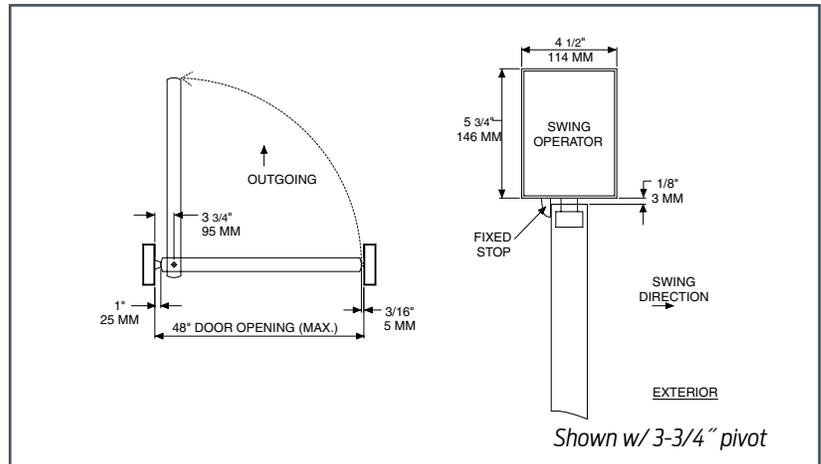
CONCEALED SINGLE DOOR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING

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.



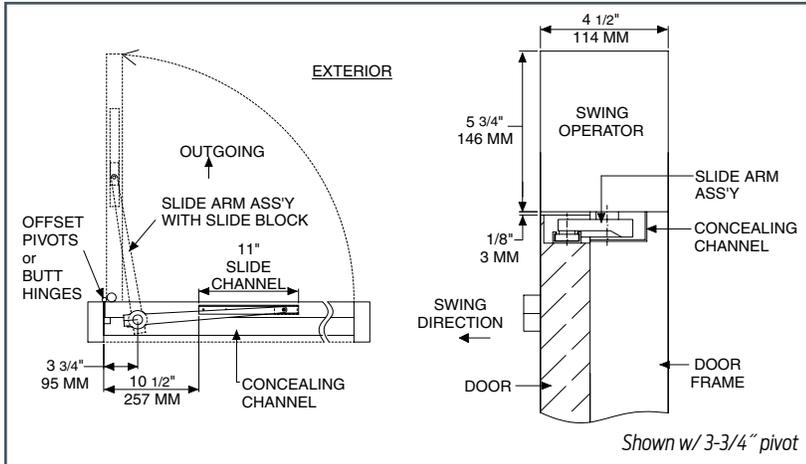
MAXIMUM OPENING

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.

2810 SERIES



CONCEALED SINGLE DOOR (OFFSET PIVOT OR BUTT HINGE, SLIDE ARM, PUSH) MOUNTING

Minimum header length 33".
Installations require bottom pivot and two intermediate pivots.

MAXIMUM OPENING

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

- **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.

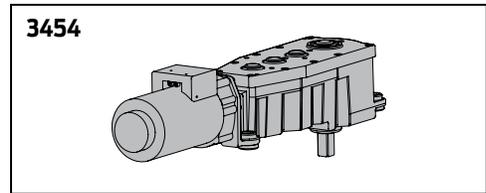
Contact LCN Product Support for installation assistance.

2810 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 2810-3454

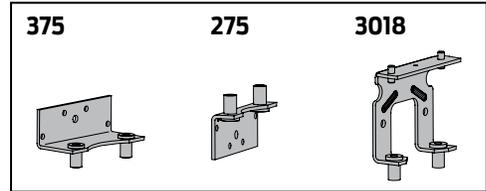
Driving mechanism for operator. Provides maximum 15 lbs opening force. Handed.



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.

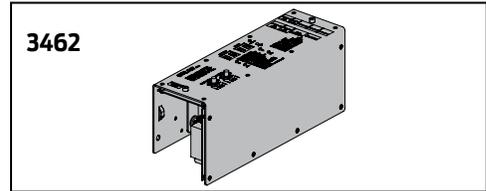


MOUNTING BRACKET – 2-3/4", 2810-275

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

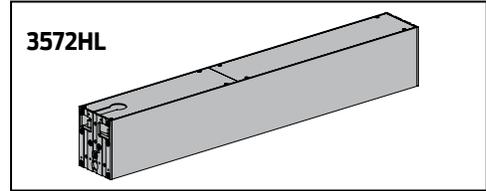
CONTROL BOX - SENIOR SWING, 2810-3462

Electronic controlling device for Senior Swing.

HEADERS

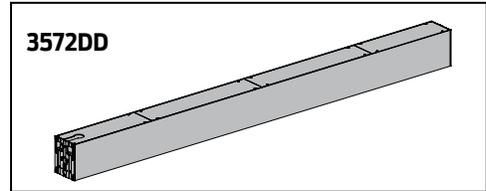
HEADER, 2810-3572HL

Standard, mounting header. Single door, single operator. Specify length 33" to 49" maximum.



HEADER, 2810-3572DD

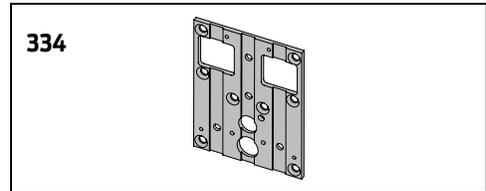
Standard, mounting header. Double door, single operator. Specify length 49" to 98" maximum.



END CAPS

HEADER END CAPS, 2810-334

End cap with openings for wiring.

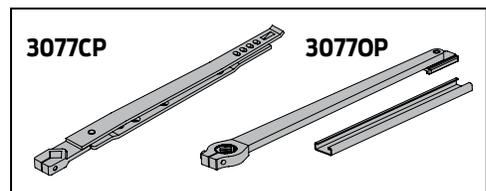


ARMS

CENTER PIVOT ARM, 2810-3077CP

(CENTER PIVOT INSTALLATIONS ONLY)

Used with overhead concealed operators and center pivoted doors.



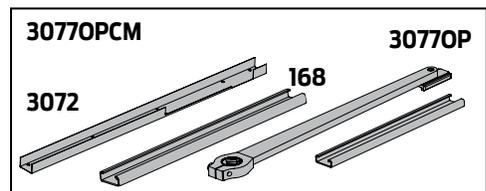
OFFSET PIVOT ARM, 2810-3077OP

(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).



2810 SERIES

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

Hides bottom of motor gearbox. Completes header box. Cutout allows for motor gearbox shaft. For 2-3/4" center pivot installations.

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

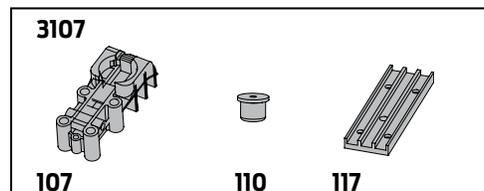
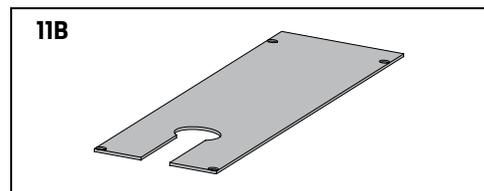
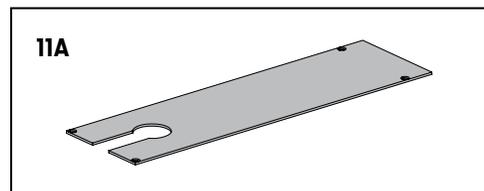
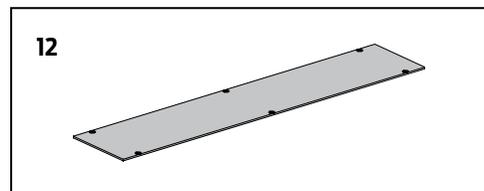
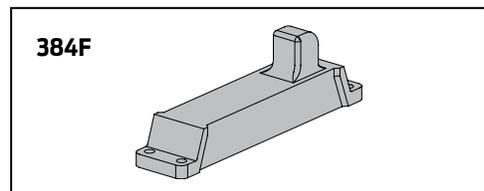
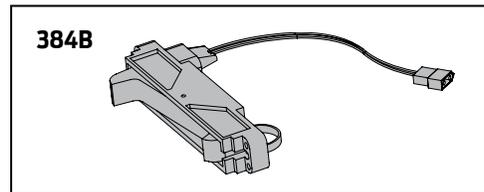
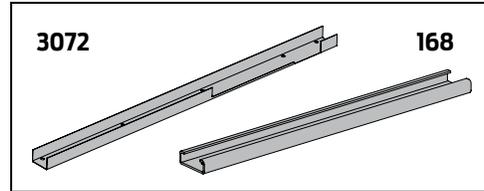
Bottom pivot body for center pivoted installations.

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

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.*

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.*