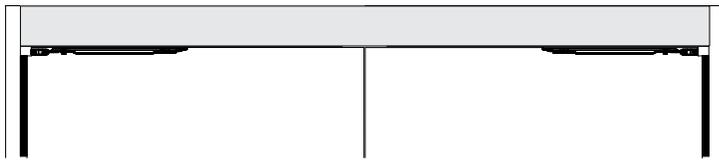


2850 SERIES

**OPERATOR MOUNTS
SIMULTANEOUS PAIR, OVERHEAD CONCEALED
*CENTER PIVOT
OFFSET PIVOT/BUTT HINGE**



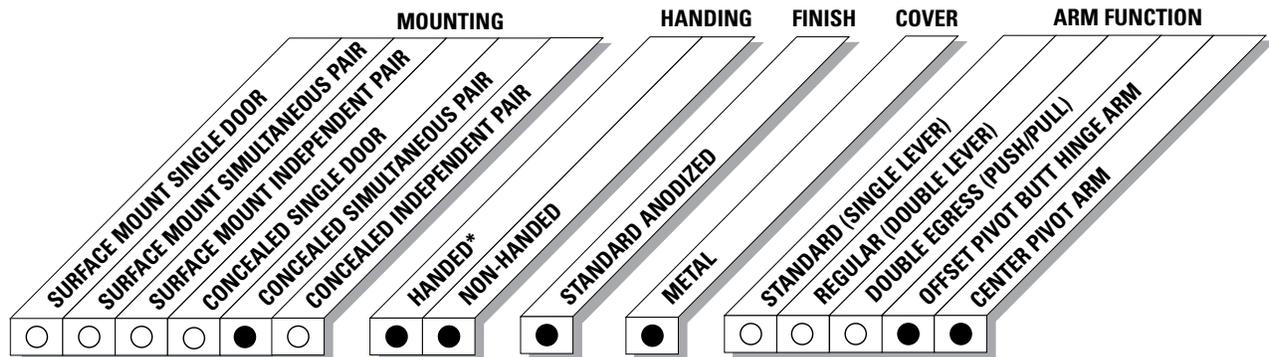
*CENTER PIVOT arm shown

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 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.

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.



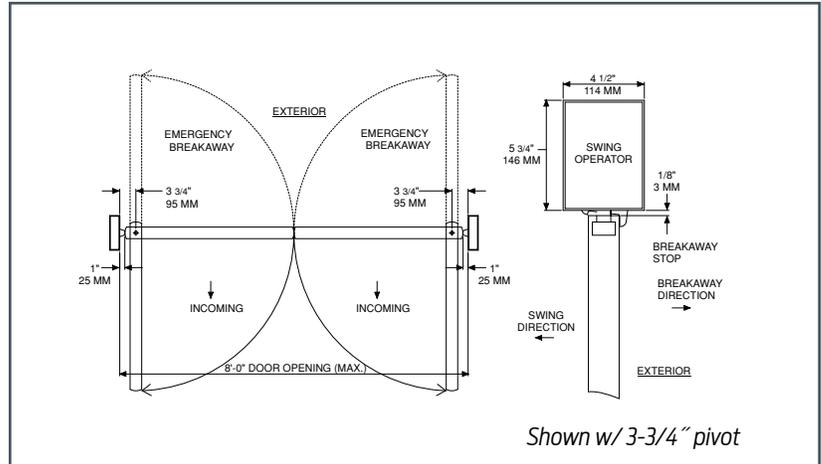
● AVAILABLE
○ NOT AVAILABLE

*For double egress only.

2850 SERIES

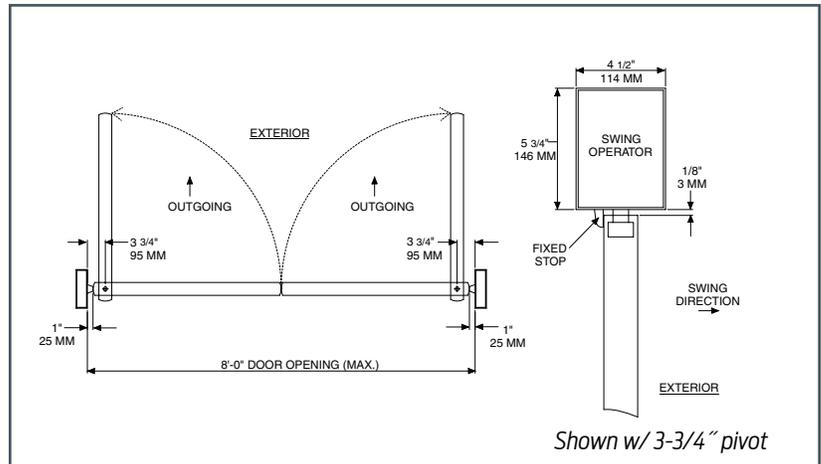
CONCEALED SIMULTANEOUS PAIR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING

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.

2850 SERIES

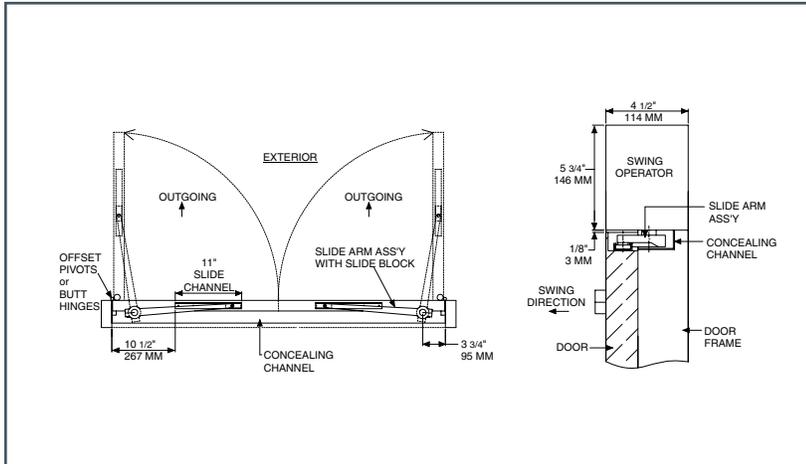
MOUNTING DETAILS

CONCEALED SIMULTANEOUS PAIR (OFFSET PIVOT/BUTT HINGE, PUSH) MOUNTING

Offset pivot installations require a bottom pivot and two intermediate pivots.

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.

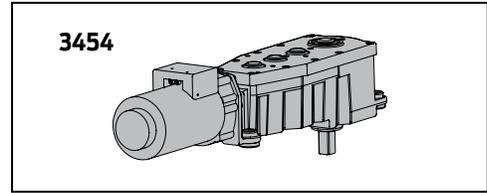
Contact LCN Product Support for installation assistance.

2850 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – SENIOR SWING, 2850-3454

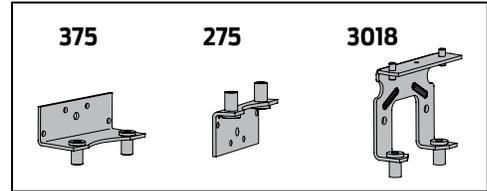
Driving mechanism for operator. Provides maximum of 15 lbs opening force. Handed.



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.

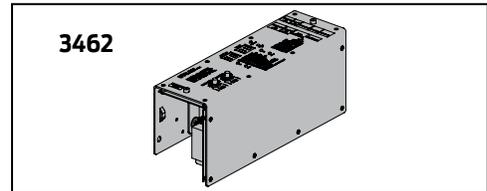


MOUNTING BRACKET – 2-3/4", 2850-275

Motor gearbox mounting bracket for 2-3/4" center pivot installations. Front bracket.

REAR MOUNT BRACKET, 2850-3018

Motor gearbox mounting bracket. Rear bracket.



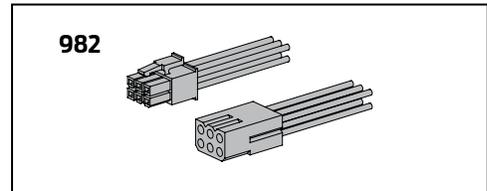
CONTROL BOXES

CONTROL BOX – SENIOR SWING, 2850-3462

Electronic controlling device for Senior Swing.

COMPANION CABLE, 2850-982

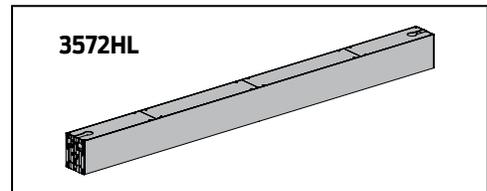
Cable that allows one control box to run two motor gearboxes. For use with Senior Swing.



HEADERS

HEADER, 2850-3572HL

Standard, mounting header. Pair door, two operators. Specify length 52" to 98" maximum.



END CAPS

HEADER END CAPS, 2850-334

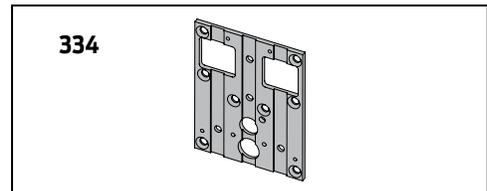
End cap with openings for wiring.

ARMS

CENTER PIVOT ARM, 2850-3077CP

(CENTER PIVOT INSTALLATIONS ONLY)

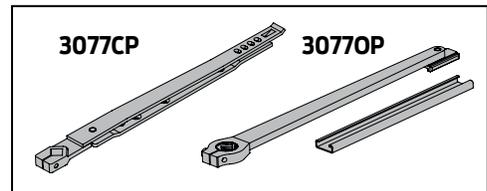
Used with overhead concealed operators and center pivoted doors.



OFFSET PIVOT ARM, 2850-3077OP

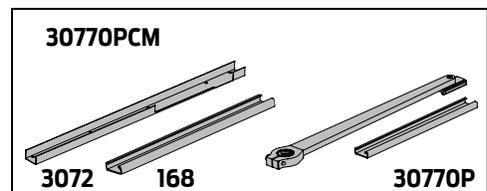
(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)

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 3077OP offset pivot arm.



2850 SERIES

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

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

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

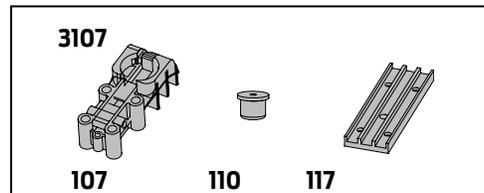
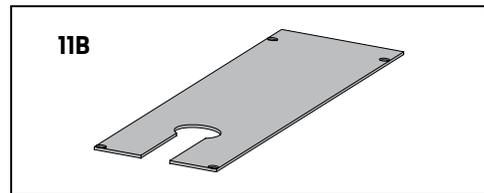
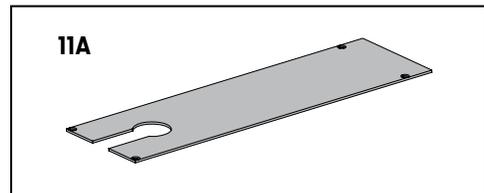
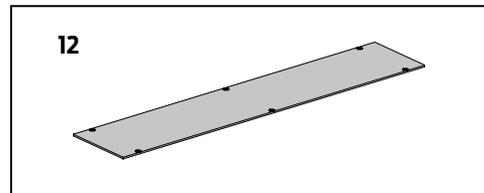
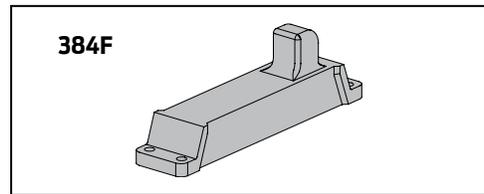
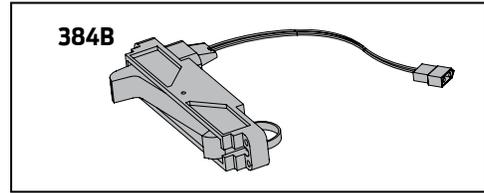
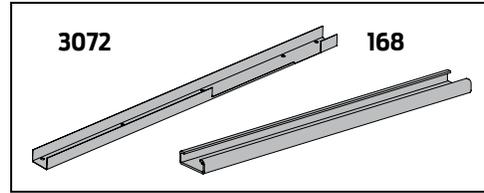
Bottom pivot body for center pivoted installations.

PIVOT POST, 2850-110

Connects pivot body to bottom pivot plate for center pivoted installations.

BOTTOM PIVOT PLATE, 2850-117

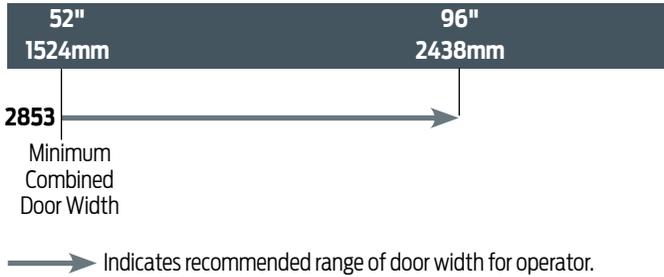
Applied to floor for center pivoted installations.



2850 SERIES

TABLE OF SIZES

COMBINED DOOR WIDTH



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.*