

# 2860 SERIES

## FEATURES

### OPERATOR MOUNTS INDEPENDENT PAIR, OVERHEAD CONCEALED \*CENTER PIVOT OFFSET PIVOT/BUTT HINGE



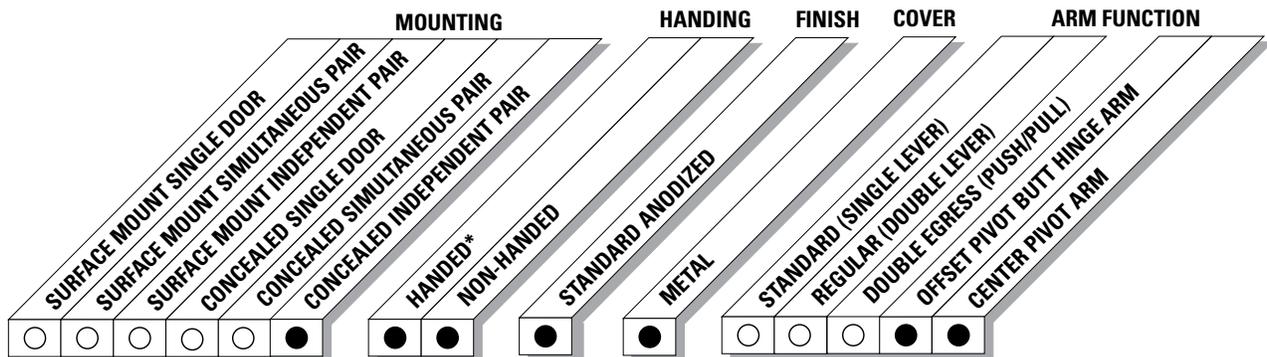
\*CENTER PIVOT arm shown

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.



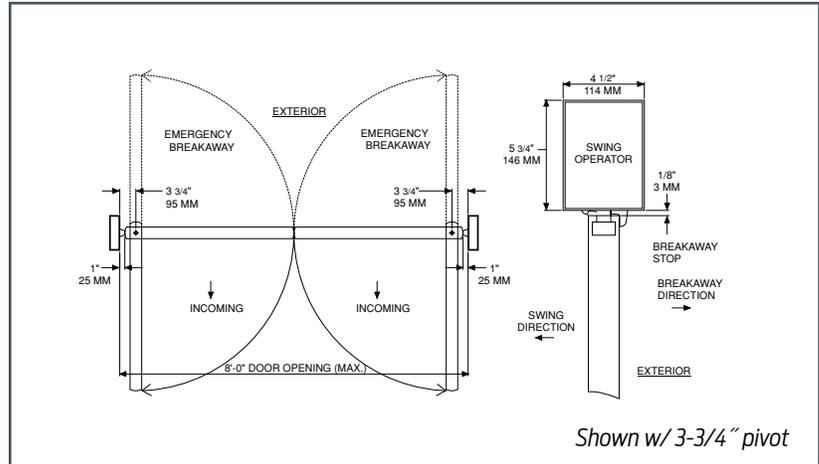
● AVAILABLE  
○ NOT AVAILABLE

\* For double egress only.

# 2860 SERIES

## CONCEALED INDEPENDENT PAIR (CENTER PIVOT, EMERGENCY BREAKAWAY, PULL) MOUNTING

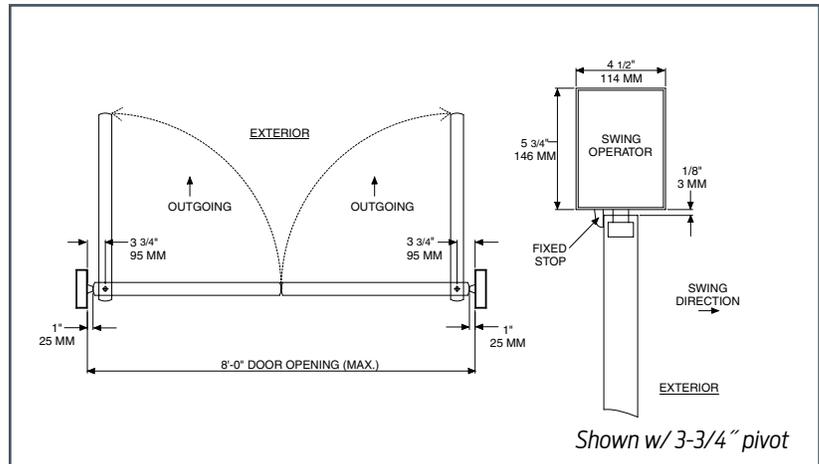
Minimum header length 65" with applied stop by other and 70" with LCN Positive or Breakaway Stop.



Shown w/ 3-3/4" pivot

## 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.



Shown w/ 3-3/4" pivot

## MAXIMUM OPENING

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

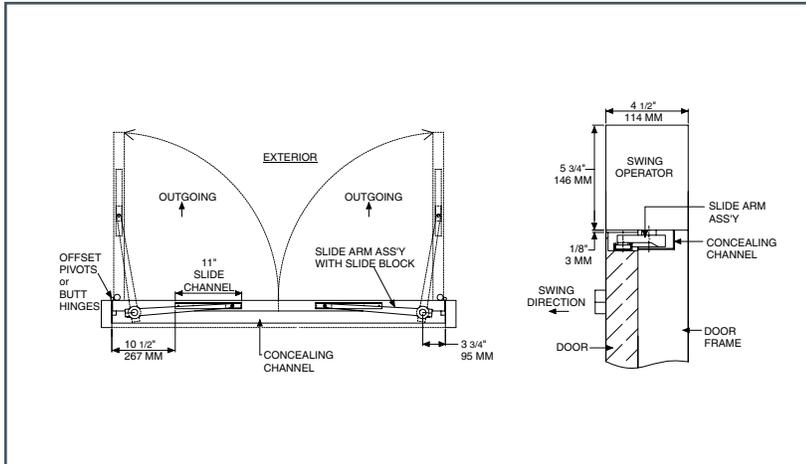
- **Head Frame** minimum 65" (L) x 5 3/4" (H) x 4 1/2" (W) (1651 mm x 146 mm x 114 mm).
- **Top Rail** minimum 2" (51 mm).
- **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- **Door Stop** required 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.

# 2860 SERIES

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

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



- **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.

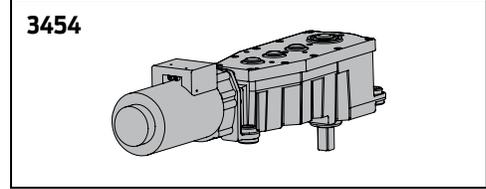
Contact LCN Product Support  
for installation assistance.

# 2860 SERIES

## MOTOR GEARBOX

### MOTOR GEARBOX – SENIOR SWING, 2860-3454

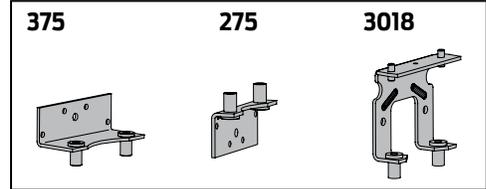
Driving mechanism for operator. Provides maximum of 15 lbs opening force. Handed.



## 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

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

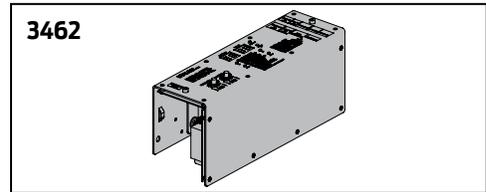
### REAR MOUNT BRACKET, 2860-3018

Motor gearbox mounting bracket. Rear bracket.

## CONTROL BOXES

### CONTROL BOX – SENIOR SWING, 2860-3462

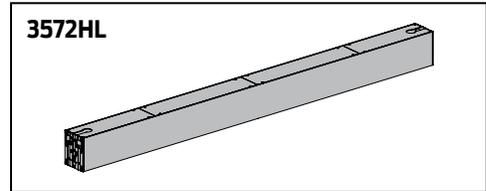
Electronic controlling device for Senior Swing.



## HEADERS

### HEADER, 2860-3572HL

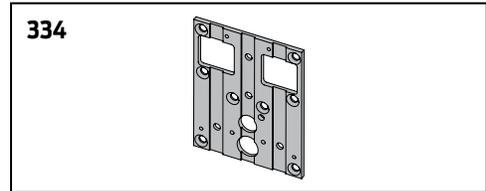
Standard, mounting header. Pair door, two operators. Specify length 65" to 98" maximum.



## END CAPS

### HEADER END CAPS, 2860-334

End cap with openings for wiring.



## ARMS

### CENTER PIVOT ARM, 2860-3077CP

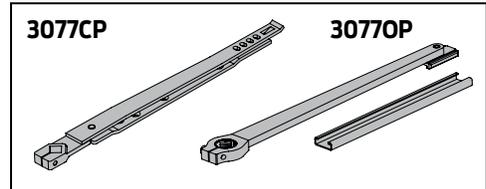
(CENTER PIVOT INSTALLATIONS ONLY)

Used with overhead concealed operators and center pivoted doors.

### OFFSET PIVOT ARM, 2860-3077OP

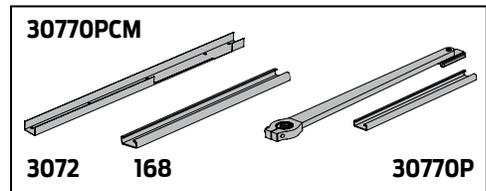
(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)

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 3077OP offset pivot arm.



# 2860 SERIES

## 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

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", 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

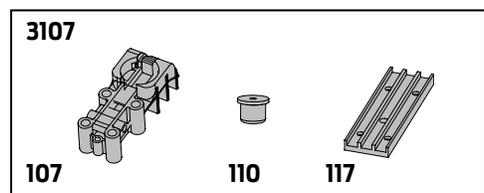
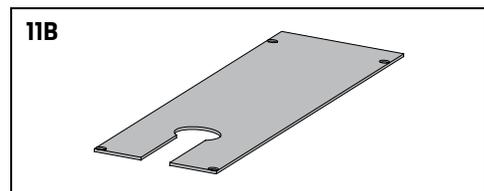
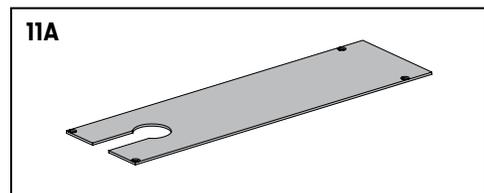
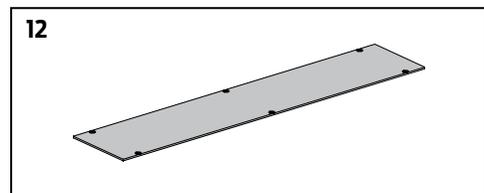
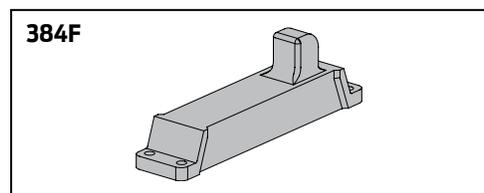
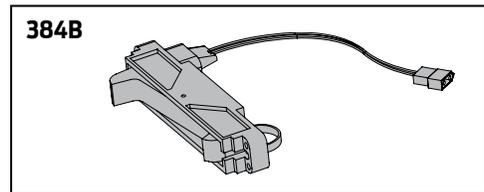
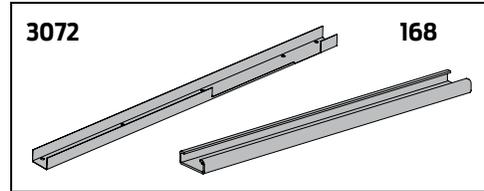
Bottom pivot body for center pivoted installations.

### 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.



# 2860 SERIES

## TABLE OF SIZES

### DOOR WIDTH



→ 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.

## 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.*