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

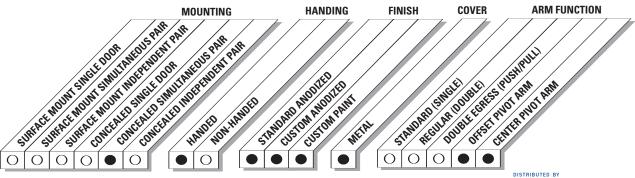
\*CENTER PIVOT arm shown

- 2950 series operator is shipped with motor gearbox, control box, arm, bottom pivot, header, and mounting hardware. Actuators available separately, see pages 199-215.
- ► Simultaneous pair, overhead concealed.
- ► ADA compliant
- ► Handed product.
- ► 72" header length is standard. Specify other length 60" to 98" max. Consult factory regarding this option.
- Fixed or breakaway stop available (center pivot arm).
- Adjustable hold open period of 1 to 32 seconds in automatic or manual mode.

The 2950 MIDDLE SWING® by LCN is a low-energy automatic swing door operator that is a cost-effective solution to ADA-compliance. In automatic mode, push button controls open the door automatically and permit safe, easy access for the disabled or elderly. This swing operator acts as a regular pedestrian door without automatic activation.

- Push 'N Go permits non-switch activation
- In manual mode only requires
   8 1/2 lbs of opening force
- ► 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

2950 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 2950 Series is UL listed for fire-rated applications. The 2950 Series also meets the provisions of the Americans with Disabilities Act.



AVAILABLE

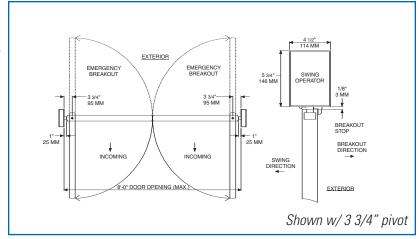
O NOT AVAILABLE



ACCESS HARDWARE SUPPLY accesshardware.com

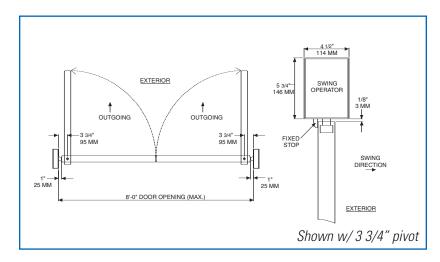
# CONCEALED SIMULTANEOUS PAIR (CENTER PIVOT, EMERGENCY BREAK OUT, PULL) MOUNTING

Minimum header length 60" and 70" with stops.



## CONCEALED SIMULTANEOUS PAIR (CENTER PIVOT, FIXED STOP, PUSH) MOUNTING

Minimum header length 60" and 70" with stops.



#### **MAXIMUM OPENING**

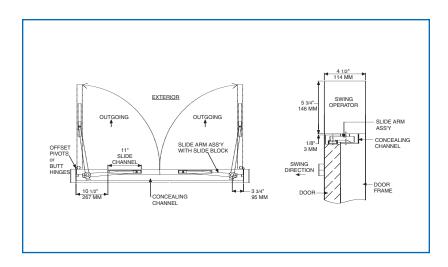
Template allows 90 degree power opening and 90 degree manual opening.

- ► **Head Frame** minimum 60" (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 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.





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

- ► **Head Frame** minimum 60" (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 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.

#### **MAXIMUM OPENING**

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

#### **Special Templates**

Customized installation templates or products may be available to solve unusual applications.

Contact LCN for assistance.



#### **MOTOR GEARBOX**

#### **MOTOR GEARBOX MIDDLE SWING, 2950-3454**

Driving mechanism for operator. Provides 8 1/2 lbs opening force. Handed



#### **MOUNTING BRACKET - 3 3/4", 2950-375**

Motor gearbox mounting bracket for 3 3/4" center, offset pivot, butt hinge installations. Front bracket.



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

#### **REAR MOUNT BRACKET, 2950-3018**

Motor gearbox mounting bracket. Rear bracket.

#### **CONTROL BOXES**

#### **CONTROL BOX- MIDDLE SWING, 2950-3462**

Electronic controlling device for Middle Swing.

#### **COMPANION CABLE, 2950-982**

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

#### **HEADERS**

#### HEADER, 2950-4572HL

Standard, mounting header. Pair door, two operators. Specify length 60"to 98" maximum.

#### **END CAPS**

#### **HEADER END CAPS, 2950-334**

End cap with openings for wiring.

#### **ARMS**

#### **CENTER PIVOT ARM, 2910-3077CP**

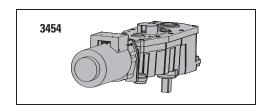
(CENTER PIVOT INSTALLATIONS ONLY)

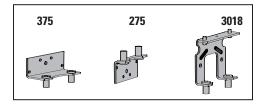
Used with overhead concealed operators and center pivoted doors.

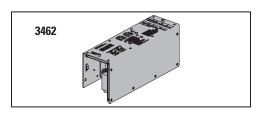
#### **OFFSET PIVOT ARM, 2910-30770P**

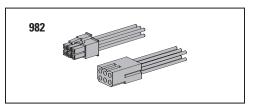
(OFFSET PIVOT OR BUTT HUNG INSTALLATIONS ONLY)

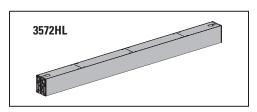
Handed arm. Used with overhead concealed operators.

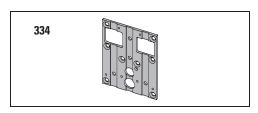


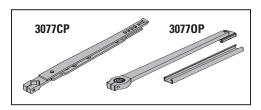














#### **CHANNELS**

#### **CONCEALING CHANNEL, 2950-3072**

Used to conceal arm in overhead concealed applications. For offset pivot installations only. If ordering separately specify length and hand.

#### **SLIDE CHANNEL, 2910-168**

(OFFSET PIVOT or BUTT HINGE INSTALLATIONS ONLY) Mounts in concealing channel. Allows arm to slide.

#### INSTALLATION ACCESSORIES

#### **DOOR STOP BREAKAWAY, 2950-384B**

Allows in swinging door to swing out in case of emergency (Pull installations). For center pivoted installations only.

#### **DOOR STOP FIXED, 2950-384F**

Prevents out swinging door from swinging in (Push installations). For center pivoted installations only.

#### **FILLER PLATE BLANK, 2950-12**

Completes length of header box.

#### **SPINDLE PLATE - 2 3/4", 2950-11A**

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

#### **SPINDLE PLATE – 3 3/4", 2950-11B**

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

#### **PIVOTS**

#### **BOTTOM PIVOT ASSEMBLY, 2950-3107**

Includes pivot body, pivot post and bottom pivot plate. For overhead concealed, center pivoted installations. Includes; 2950-107, 2950-110 and 2950-117.

#### **PIVOT BODY. 2950-107**

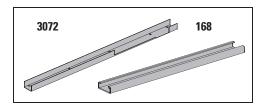
Bottom pivot body for center pivoted installations.

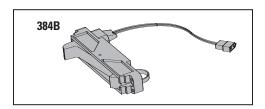
#### **PIVOT POST, 2950-110**

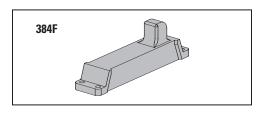
Connects pivot body to bottom pivot plate for center pivoted installations.

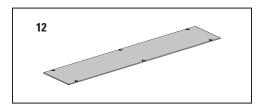
#### **BOTTOM PIVOT PLATE, 2950-117**

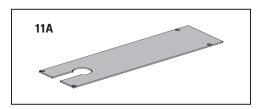
Applied to floor for center pivoted installations.

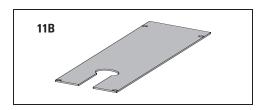


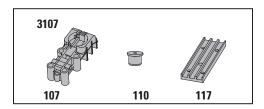












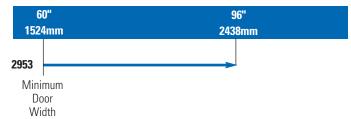


#### **TABLE OF SIZES**

Indicates recommended range of door width for operator. Note: For all Middle Swing Series

Simultaneous Pair – Width per leaf 30" minimum to 48" maximum

#### **DOOR WIDTH**



#### HOW-TO-ORDER 2950 SERIES OPERATORS

1	CEI	ECT	INICTAL	LATION	TVDE

□ 2953	
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#### 2. ARMS

- $\hfill \Box$  Standard 3 3/4" (Offset pivoted) Arm (30770P)
- ☐ Standard 2 3/4" (Center pivoted) Arm (3077CP)
- ☐ Standard 3 3/4" (Center pivoted) Arm (3077CP)

#### 3. SPECIFY FINISH.

Standard Anodized Finish	
Aluminum or Dark Bronze	

#### Operator will be shipped with:

- -STANDARD MOTOR GEARBOX (SF) (1 LH & 1 RH)
- -STANDARD CONTROL BOX (SC)
- -COMPANION CABLE
- -72" HEADER (72HL)
- -2 3/4" PIVOT POINT
- -WOOD and MACHINE SCREW PACK

Unless options listed below are selected.

#### **OPERATOR OPTIONS**

#### **HEADER**

HL	(Specify	lenath	60"	to 98"

#### STOPS\*

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

#### **FINISH**

- ☐ Custom Anodized Finish \_\_\_\_\_
- ☐ Custom Painted Finish \_\_\_\_\_

#### **SPECIAL TEMPLATE**

CT	
91-	



