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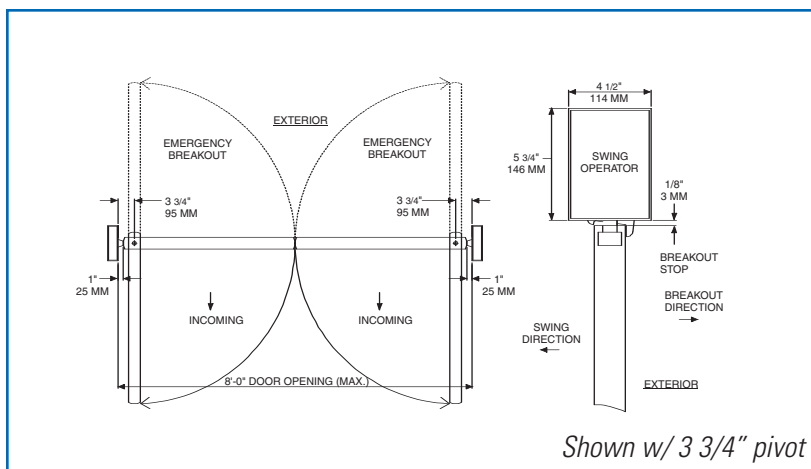
PHONE 800-526-2400
FAX 800-248-1460
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8/07

LCN 2950 SERIES

MOUNTING DETAILS

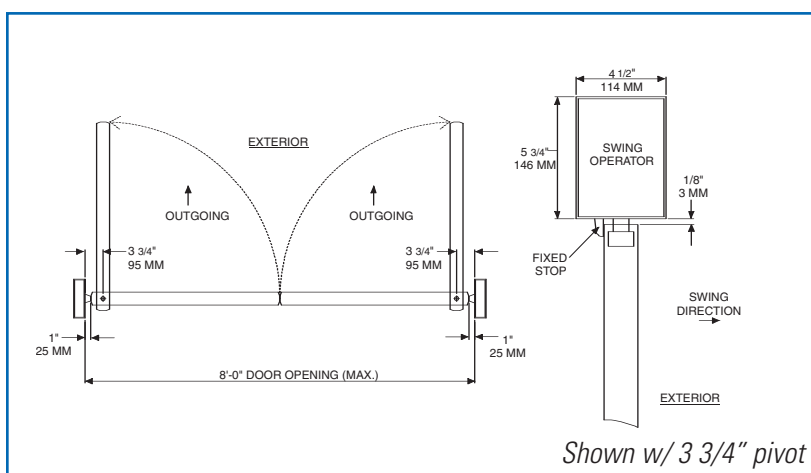
CONCEALED SIMULTANEOUS PAIR (CENTER PIVOT, EMERGENCY BREAK OUT, PULL) MOUNTING

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.



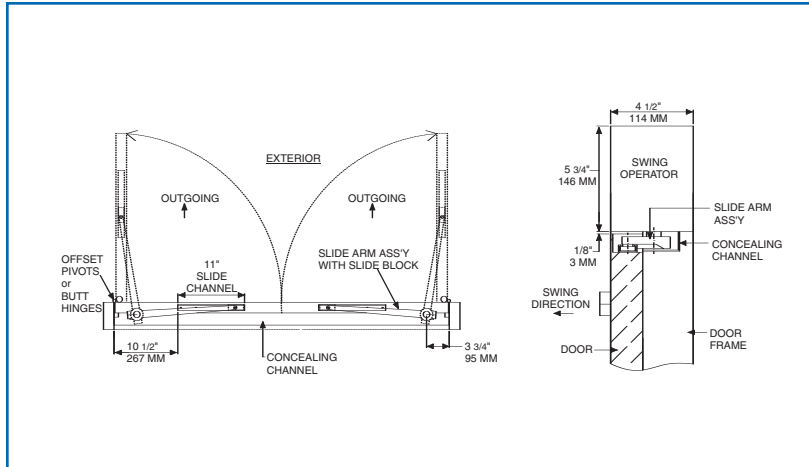
MAXIMUM OPENING

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

Special Templates

Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

- ▶ **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.



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

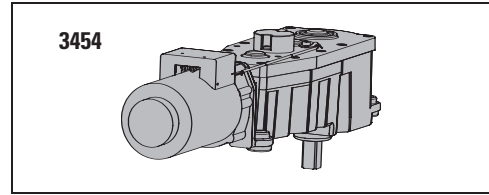
Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

LCN 2950 SERIES

MOTOR GEARBOX

MOTOR GEARBOX MIDDLE SWING, 2950-3454

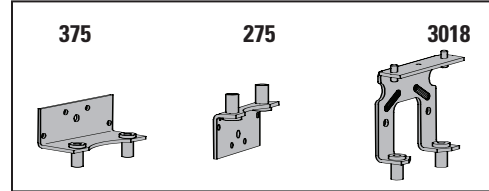
Driving mechanism for operator. Provides 8 1/2 lbs opening force.
Handed



MOUNTING BRACKET

MOUNTING BRACKET – 3 3/4", 2950-375

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

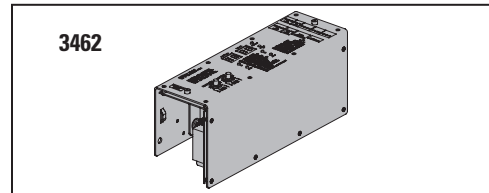


MOUNTING BRACKET – 2 3/4", 2950-275

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

REAR MOUNT BRACKET, 2950-3018

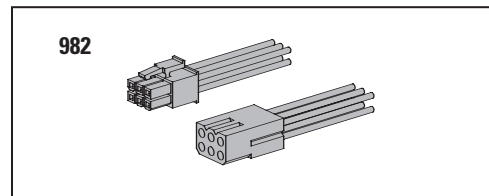
Motor gearbox mounting bracket. Rear bracket.



CONTROL BOXES

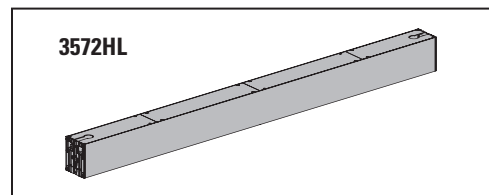
CONTROL BOX- MIDDLE SWING, 2950-3462

Electronic controlling device for Middle Swing.



COMPANION CABLE, 2950-982

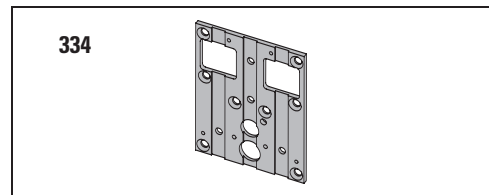
Cable that allows one control box to run two motor gearboxes. For use with Middle Swing.



HEADERS

HEADER, 2950-4572HL

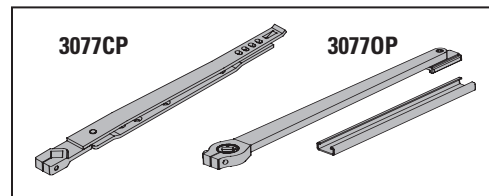
Standard, mounting header. Pair door, two operators. Specify length 60" to 98" maximum.



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, 2910-3077OP

(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

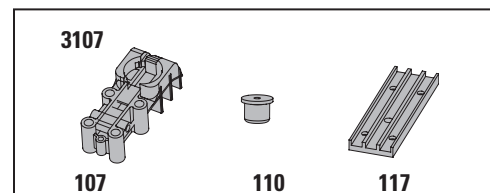
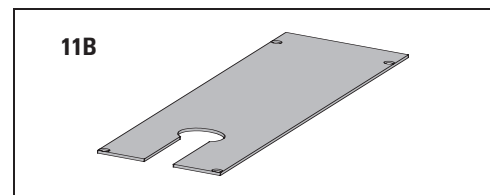
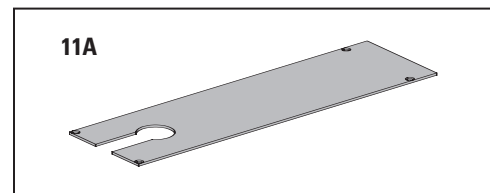
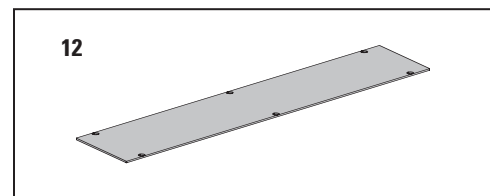
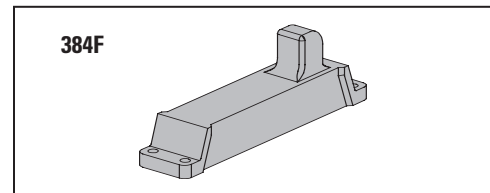
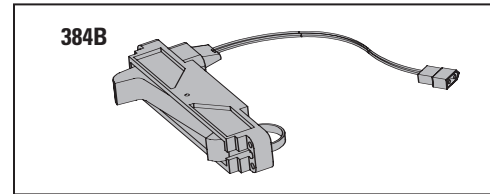
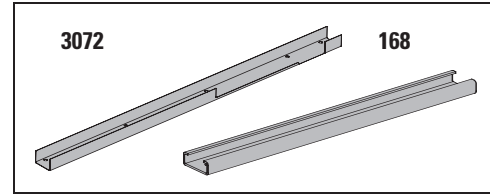
Bottom pivot body for center pivoted installations.

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.



LCN 2950 SERIES

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. SELECT INSTALLATION TYPE

- ☐ 2953

2. 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 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 length 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

- ☐ ST-_____