



The 9750 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**

- ▶ 9750 series operator is shipped with motor gearboxes, control box, arms, header, and mounting hardware. Actuators available separately, see pages 199-215.
- ▶ Simultaneous pair, surface mounted.
- ▶ ADA compliant.
- ▶ Handed product.
- ▶ Pull, Push or Double Egress applications available.
- ▶ 72" header length is standard. Specify other length 60" to 98". Consult factory regarding this option.
- ▶ Adjustable hold open period of 1 to 32 seconds in automatic or manual mode.

9750 Series is fully compliant with UL 325 & UL 1998 and meets the provisions of ANSI A156.19. The 9750 Series is UL listed for fire-rated applications. The 9750 Series also meets the provisions of the Americans with Disabilities Act.

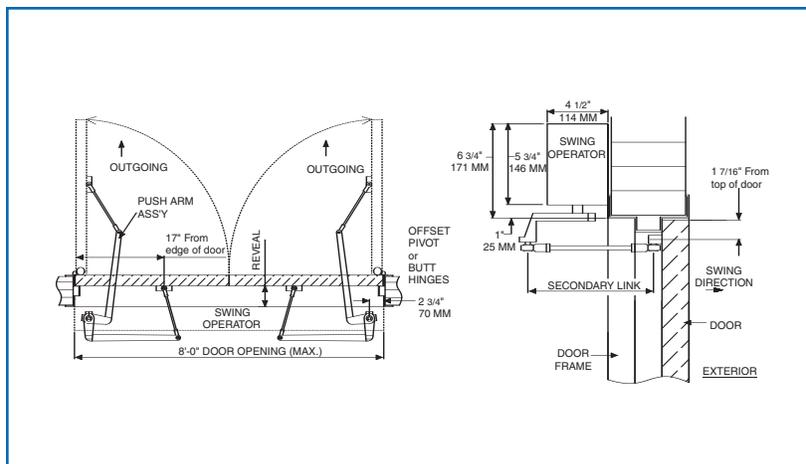
MOUNTING						HANDING			FINISH	COVER		ARM FUNCTION			
○	●	○	○	○	○	●	○		●	●	○	○	○	○	○
SURFACE MOUNT SINGLE DOOR						HANDED			STANDARD ANODIZED	STANDARD (SINGLE)		CENTER PIVOT ARM			
SURFACE MOUNT SIMULTANEOUS PAIR						NON-HANDED			CUSTOM ANODIZED	REGULAR (DOUBLE)		OFFSET PIVOT ARM			
SURFACE MOUNT INDEPENDENT PAIR									CUSTOM PAINT	DOUBLE EGRESS		CENTER PIVOT ARM			
CONCEALED SINGLE DOOR									METAL	OFFSET PIVOT ARM					
CONCEALED SIMULTANEOUS PAIR															
CONCEALED INDEPENDENT PAIR															

● AVAILABLE
○ NOT AVAILABLE

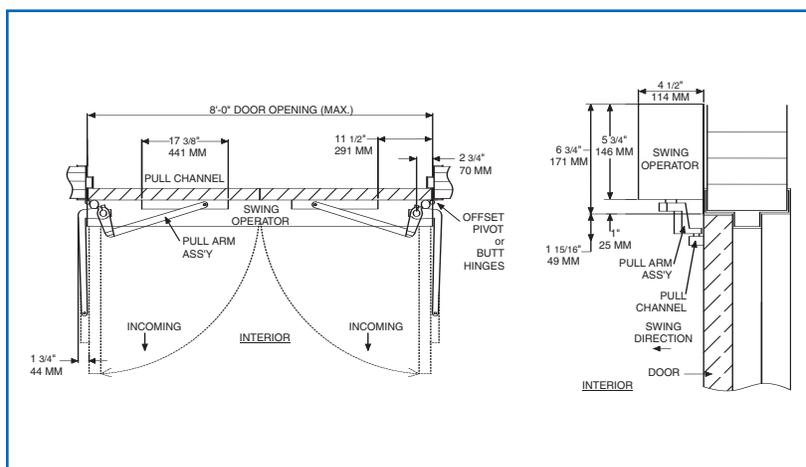
LCN 9750 SERIES

MOUNTING DETAILS

TOP JAMB SIMULTANEOUS PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PUSH) MOUNTING



TOP JAMB SIMULTANEOUS PAIR (OFFSET PIVOT/BUTT HINGE, CENTER PIVOT, PULL) MOUNTING



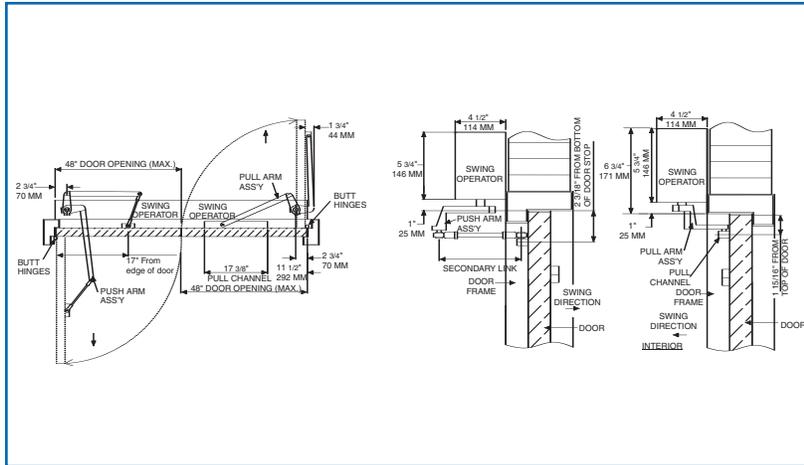
MAXIMUM OPENING

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

Special Templates

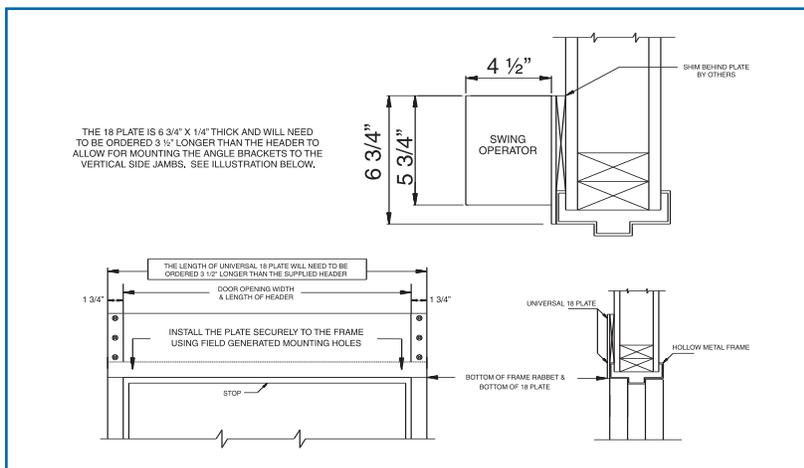
Customized installation templates or products may be available to solve unusual applications. Contact LCN for assistance.

- ▶ **Butt Hinges** should not exceed 5" (127 mm) in width.
- ▶ **Reveal for push** installations should not exceed 10" (254 mm) for REGULAR ARM and 20" (508 mm) for LONG ARM.
- ▶ **Reveal for pull** installations should not exceed 4" (102 mm).
- ▶ **Reveal for double egress** installations should not exceed 4" (102 mm).
- ▶ **Head Frame** minimum 1 3/4" (44 mm). Face frame 6 3/4" (171 mm) total operator clearance.
- ▶ **Top Rail** minimum 2 3/4" (70 mm).
- ▶ **Opening & Closing Time** are variable by adjustments to the electronic control box. Maximum hold open time adjustable up to approximately 32 seconds.
- ▶ **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.



TOP JAMB SIMULTANEOUS PAIR (RH DOUBLE EGRESS) MOUNTING

Consult factory for all balance door installations.



HOLLOW METAL FRAME

Suggested Installation

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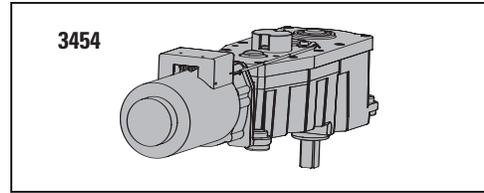
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LCN 9750 SERIES

MOTOR GEARBOX

MOTOR GEARBOX – MIDDLE SWING, 9750-3454

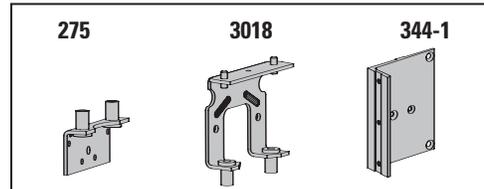
Driving mechanism for operator. Provides 8 1/2 lbs opening force. Handed.



MOUNTING BRACKETS

MOUNTING BRACKET – 2 3/4", 9750-275

Motor gearbox mounting bracket for 2 3/4" offset pivot or butt hinge installations. Front bracket.



REAR MOUNT BRACKET, 9750-3018

Motor gearbox mounting bracket. Rear bracket.

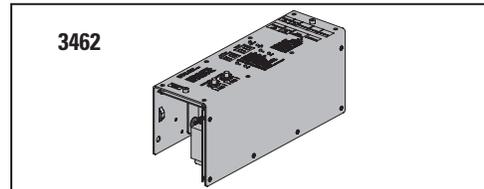
ANGLED BRACKET, 9750-334-1

Mounting bracket for surface applications.

CONTROL BOXES

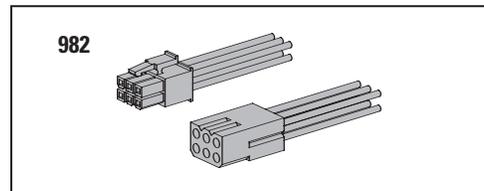
CONTROL BOX – MIDDLE SWING, 9750-3462

Electronic controlling device for Middle Swing.



COMPANION CABLE, 9750-982

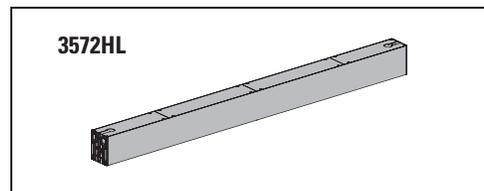
Cable that allows one control box to run two motor gear boxes. Companion cable. For use with Middle Swing.



HEADERS

HEADER, 9750-3572HL

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



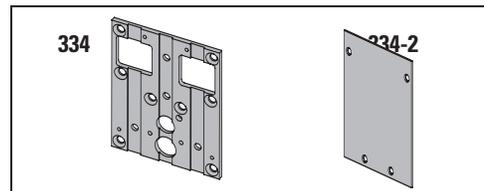
END CAPS

HEADER END CAPS, 9750-334

End cap with openings for wiring.

END DRESS PLATE, 9750-334-2

Metal finish end cap.



ARMS

STANDARD ARM ASSEMBLY, 9750-3077PLCM

Handed arm.

REGULAR ARM ASSEMBLY, 9750-3077

Handed arm.

REGULAR LONG ARM ASSEMBLY, 9750-3077L

Handed arm.

STANDARD ARM, 9750-3077T

Handed arm. Track roller not included.

MAIN ARM, 9750 -77

Handed arm attaches to motor gearbox

LINKAGE ASSEMBLY – 15", 9750-79

Threaded rod attaches to door. Extends from main arm.

LINKAGE ASSEMBLY – 32", 9750-79LR

Threaded long rod attaches to door. Extends from main arm.
Used for reveal 10" to 20".

TRACKS

TRACK 9750-3038

Standard non-handed track.

TRACK END CAP 9750-73

Black plastic end caps.

ROLLER, 9750-3034

Quiet low friction roller assembly.

INSTALLATION ACCESSORIES

SPINDLE PLATE – 2 3/4", 9750-11A

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

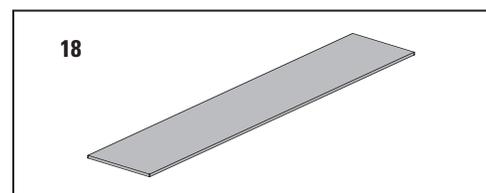
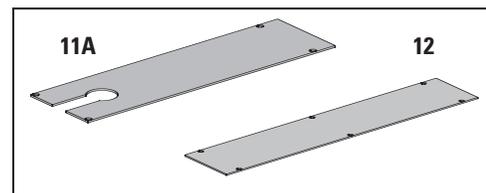
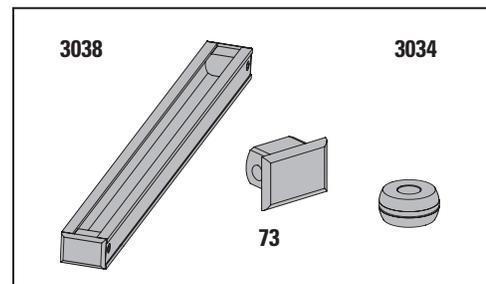
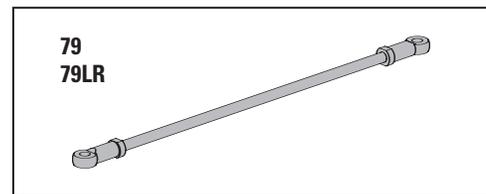
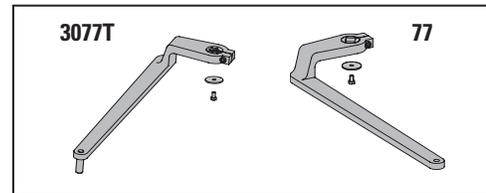
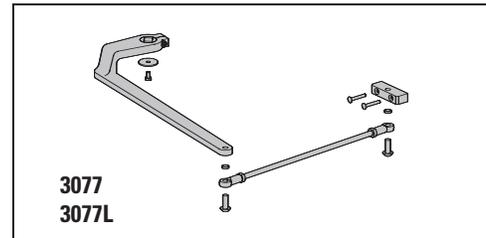
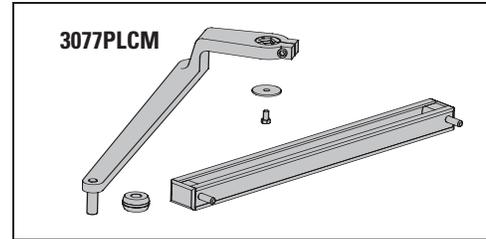
FILLER PLATE BLANK, 9750-12

Completes length of header box. (Specify Length)

MOUNTING PLATE, 9750-18

Optional mounting plate for standard hollow metal door frames. Specify length 33" to 98" maximum.

NOTE: The length of a universal 18 plate will need to be ordered 3 1/2" longer than the supplied header.

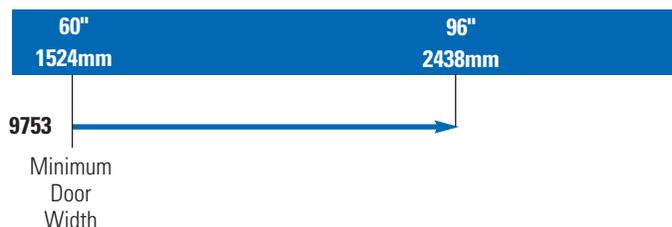


LCN 9750 SERIES

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 9750 SERIES OPERATORS

1. SPECIFY HAND

- RH
- LH

2. SPECIFY FINISH.

- Standard Anodized Finish _____
Aluminum or Dark Bronze

Operator will be shipped with:

- STANDARD MOTOR GEARBOX (SF) (2 ea)
- STANDARD CONTROL BOX (SC)
- 72" METAL COVER (72HL)
- REGULAR ARM (2 ea)
- 2 3/4" PIVOT POINT
- MACHINE SCREW PACK

OPERATOR OPTIONS

HEADER

- HL__ (Specify length 60" to 98")

MOUNTING PLATE

- Plate, ____ (Specify Length 30" to 98")

ARM

- Standard Arm (2 ea)
w/Standard Track (2 ea)
- Double Egress
Includes Standard Arm w/Track (1 ea)
& Regular Arm (1 ea)
- Long Arm (3077L)

FINISH

- Custom Anodized Finish _____
- Custom Painted Finish _____

SPECIAL TEMPLATE

- ST-_____