

Push Side Arm Mount (PA)

7 **Open Valves**

8 **Assemble Arm**

9 **Arm Screw**

10 **Spring Power Adjust**

11 **Sweep**

12 **Latch**

13 **Backcheck**

14 **OPTIONAL DELAY ACTION**

15 **Pinion Cap or Optional Cover**

16 **Caution: Don't completely close valves**

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Push Side Jamb Mount

1 **Parts**

2 **Mark and Drill Holes**

Opening	Dimension "A"
To 100°	7-1/2 (191)
101° to 130°	6 (152)
131° to 180°	4-1/2 (114)

Along connecting rod is required for reveals greater than 3 (76). See page 6 for optional Hold open Arm installation and adjustment.

3 **Installation Sequence**

4 **Sweep**

5 **Latch**

6 **Backcheck**

7 **OPTIONAL DELAY ACTION**

8 **Pinion Cap or Optional Cover**

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Adjustments

(Use 1/8" Hex Wrench for these Adjustments)

Sweep

Latch

Backcheck

OPTIONAL DELAY ACTION

Adjust delay action accordingly to obtain desired delay time.

Spring Power Adjust

(Use 1/8 Hex Wrench for this Adjustment)

Arm Placement in Shoe

POWER ADJUSTMENT CHART

MAXIMUM DOOR WIDTH		FULL TURNS REQUIRED
EXTERIOR DOORS	INTERIOR DOORS	
5 lb-ft	5 lb-ft	5 TURNS C.W.
8.5 lb-ft	34" (864)	3 TURNS C.W.
30" (762)	38" (962)	0 TURNS
36" (914)	48" (1219)	5 TURNS C.W.
42" (1067)	54" (1372)	10 TURNS C.W.
48" (1219)	60" (1524)	15 TURNS C.W.

*15 Full (360°) turns maximum available Closer was set down as size 3 from the factory originally.

Optional Hold Open Arms

STANDARD APPLICATION	TOP JAMB INSTALLATION	PARALLEL APPLICATION	
<p>RH</p> <p>LH</p>	<p>RH</p> <p>LH</p>	<p>RH</p> <p>LH</p>	<p>180° Mounting Hold Open (120° - 180°)</p> <p>120° Mounting Hold Open (95° - 120°)</p> <p>100° Mounting Hold Open (85° - 100°)</p>

Hold Open Arm Adjustment
 the Hold Open Arm installs like the regular closer arm. Follow steps 2-3 on page 2 and 5 for standard and top jamb Hold Open Arm installation, follow step 2-3 on page 3 and steps 7-10 for parallel Hold Open Arm installation.
To adjust Optional Hold-open arm
 1. Loosen hold open nut.
 2. Open door to 5° less than desired hold position and tighten hold open nut securely.

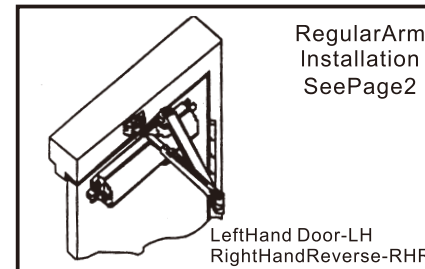
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Installation instructions/operation instructions DOOR CLOSER

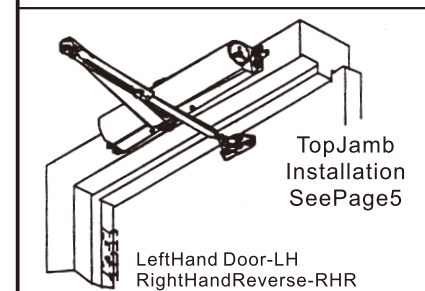
Non Handed Door Closer



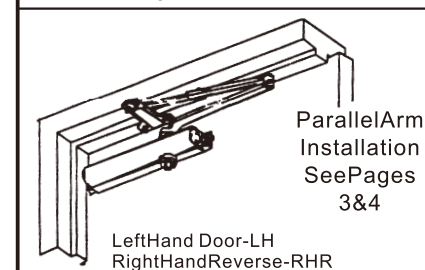
CAUTION
An incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These installation instructions should be followed to avoid the possibility of misapplication or misadjustment.



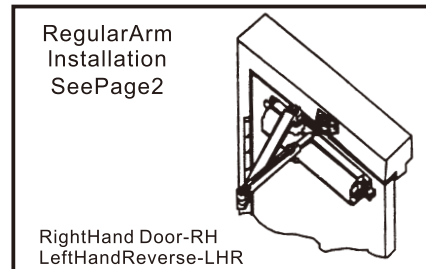
Regular Arm Installation
See Page 2



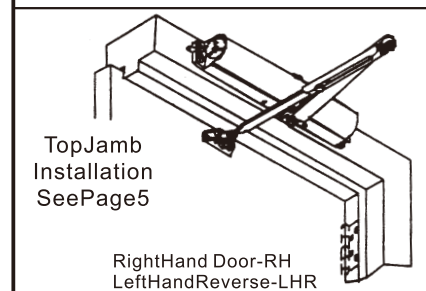
Top Jamb Installation
See Page 5



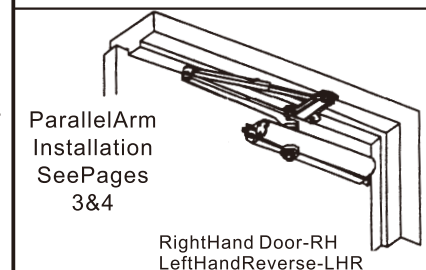
Parallel Arm Installation
See Pages 3 & 4



Regular Arm Installation
See Page 2



Top Jamb Installation
See Page 5



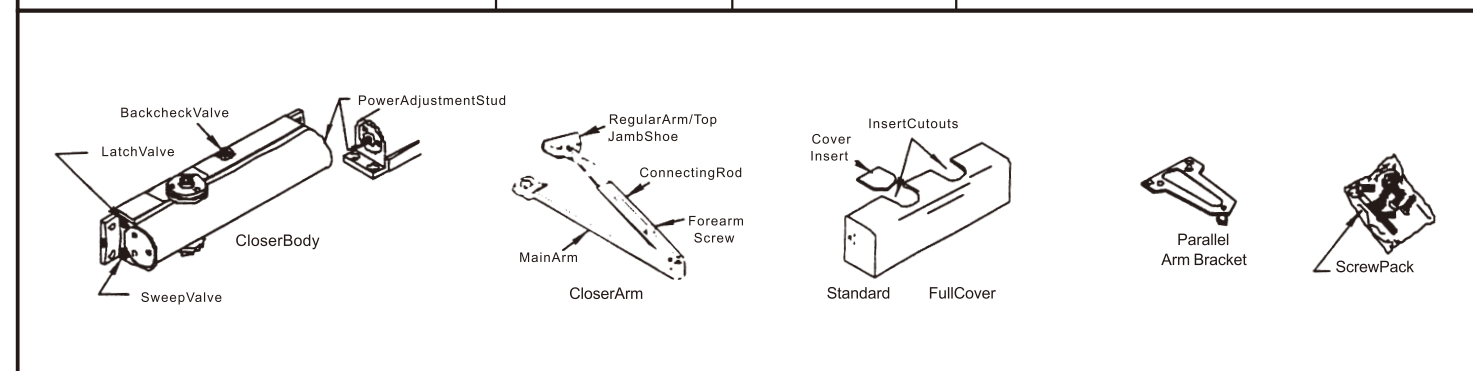
Parallel Arm Installation
See Pages 3 & 4

NOTE: For special applications a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.

- Doors should be hung on ball bearing or Anti-friction hinges.
- A separate door stop is recommended.
- Door and frame must be properly reinforced.
- Adjust closing time speed between 3 and 7 seconds from 90° to 0°. Greater closing Times may be required for elderly or handicapped.

- These door closers should NOT be installed on the exposed side (weather side) of exterior doors.

	Metal #7 1/4-20	Wood 3/16"	Self Drilling Screws Wood and Metal For Wood drill 3/16 hole	(Optional) Sleeve Nut and Bolt Drill 9/32 thru from Closer Side 3/8 Drill on other side
	Machine Screws #7 Drill, 1/4-20 Tap		Thru Bolt and Grommet Nut Drill 9/32 thru from Closer Side 3/8 Drill on other side	



Pull Side Standard Mount

Parts

Covers

Optional

1 Mark and Drill Holes

Right Hand Shown

Opening	Dimension "A"	Inches (mm)
To 100°	7-1/2	(191)
101° to 130°	6	(152)
131° to 180°	4-1/2	(114)

* Door/Wall/Hardware/Jamb conditions permitting

See page 6 for optional Hold open Arm installation and adjustment

3 Installation Sequence

4 Sweep

5 Latch

6 Backcheck

7 OPTIONAL DELAY ACTION

8 Pinion Cap or Optional Cover

Push Side Parallel Arm (PA)

Parts

Cover

Optional

1 Mark and Drill Holes

Right Hand Shown

Door Opening	A	B
To 120°	9-1/2 (241)	3-3/4 (95)
*121 to 180°	7 (178)	1-1/4 (32)

* Door/Wall/Hardware/Jamb conditions permitting

See page 6 for optional Hold open Arm installation and adjustment

3 Installation Sequence

4 Close Valves

5 Install Closer and Bracket

6 Preload Closer