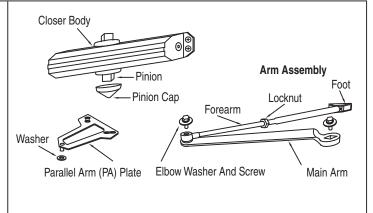
# DOOR CLOSER

# INSTALLATION INSTRUCTIONS

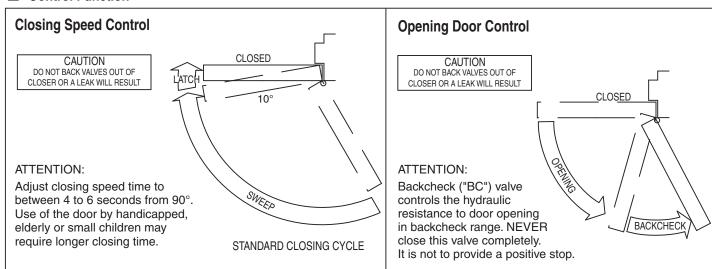
### Chart To Determine Hand Of Door

# PULL SIDE HINGE SIDE OF DOOR HINGE SIDE OF DOOR STOP SIDE OF DOOR PUSH SIDE This Is A Left Hand Door This Is A Right Hand Door

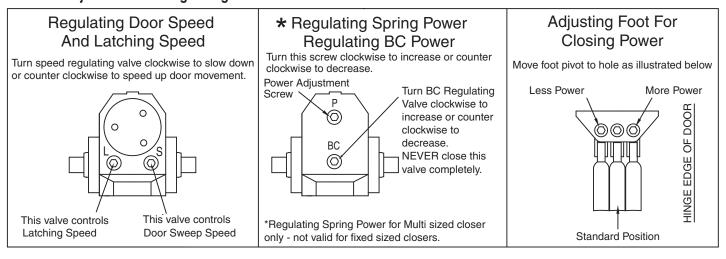
# Components



### Control Function

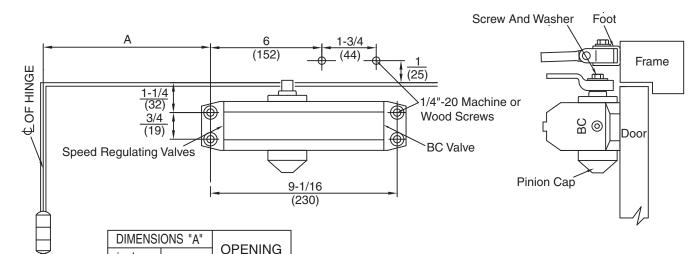


# ■ Final Adjustment And Regulating Procedures



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# REGULAR ARM INSTALLATION



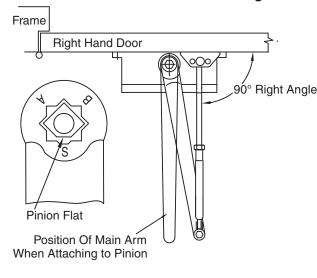
- inches
   mm
   Of LIVING

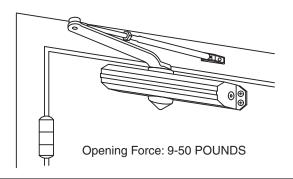
   7
   178
   TO 100°

   6
   152
   101° TO 120°

   3-1/2
   89
   \*121° TO 180°
- \*Door/Wall/Hardware/Jamb conditions permitting
- Right hand door illustrated.
   Same dimensions apply to left hand door.
- Measured from hinge centerline.
   Dimensions are in inches (mm).
- · Do not scale drawing.

# **Position Of Arms And Index Settings**





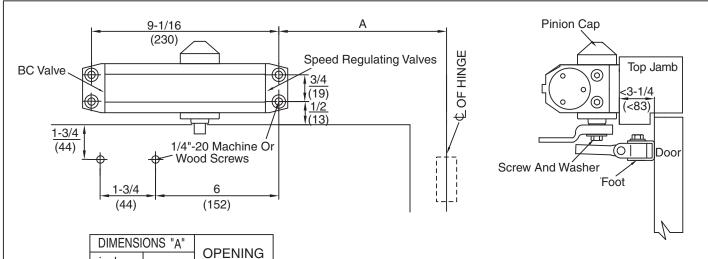
### **INSTALLATION INSTRUCTIONS**

- Select degree of door opening. Use dimensions shown in chart to mark location of attaching screws on door and frame. Prepare holes.
- 2. Assemble main arm to closer.
- Attach closer to door with speed regulating valves toward hinge.
- 4. Attach the foot of the forearm to frame.
- Adjust length of forearm to position forearm at right angle to frame. When connected to main arm at elbow, use washer and screw provided to secure pivot connection. Tighten locknut on forearm.
- 6. Snap pinion cap over pinion at bottom of closer.
- 7. Adjust closer.

** Power Adjustment Chart								
Æ	TYPE OF	*	MAXIMUM DOOR SIZE					
DOOR	INSTALLATION		34" 0.85M	36" 0.90M	40" 1.00M	44" 1.10M	48" 1.20M	
INTERIOR	REGULAR ARM TOP JAMB	FULL 360° TURNS OF POWER ADJUSTMENT SHAFT	2	4	6	9	11	
	PARALLEL ARM		3	5	7	10	13	
EXTERIOR	REGULAR ARM TOP JAMB		4	6	8	11	14	
EXTE	PARALLEL ARM		6	8	10	15	17	
* 18-360° TURNS MAXIMUM AVAILABLE								

<sup>\*\*</sup>Regulating Spring Power for Multi sized closer only - not valid for fixed sized closers.

# TOP JAMB INSTALLATION



 DIMENSIONS "A" inches
 mm
 OPENING

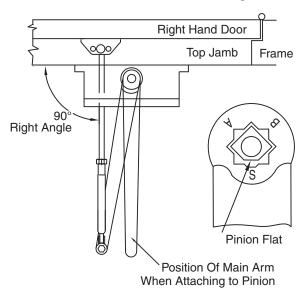
 7
 178
 TO 100°

 6
 152
 101° TO 120°

 3-1/2
 89
 "121° TO 180°

- Right hand door illustrated.
   Same dimensions apply to left hand door.
- Measured from hinge centerline.
   Dimensions are in inches (mm).
- · Do not scale drawing.

# **Position Of Arms And Index Settings**



### INSTALLATION INSTRUCTIONS

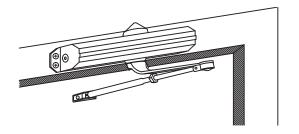
- Select degree of door opening. Use dimensions shown in chart to mark location of attaching screws on door and frame. Prepare holes.
- 2. Assemble main arm to closer.
- 3. Attach closer to frame with speed regulating valves toward hinge.
- 4. Attach the foot of the forearm to door.
- Adjust length of forearm to position forearm at right angle to frame. When connected to main arm at elbow, use washer and screw provided to secure pivot connection. Tighten locknut on forearm.
- 6. Snap pinion cap over pinion at bottom of closer.
- 7. Adjust closer.



Before installation, adjust the spring power as recommended on chart. DO NOT exceed the maximum number of turns.

Spring power is set at 0 turns from the factory.

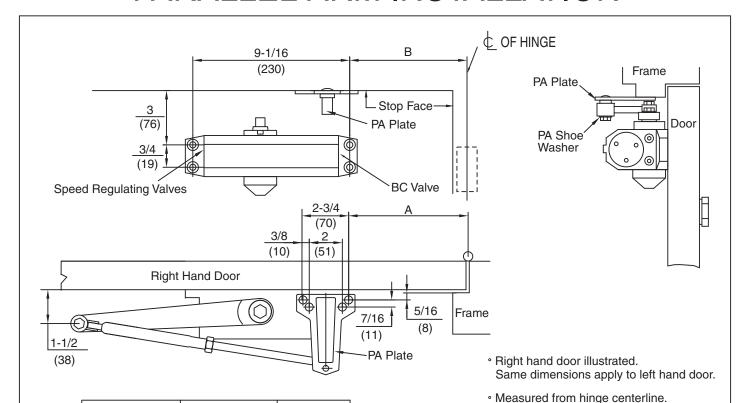
Regulating Spring Power for Multi sized closer only - not valid for fixed sized closers.



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<sup>\*</sup>Door/Wall/Hardware/Jamb conditions permitting

# PARALLEL ARM INSTALLATION



DIMENSIONS "A"		DIMENSI	ONS "B"	ODENING	
inches	mm	inches	mm	OPENING	
9-1/4	235	7-5/8	194	TO 100°	
7-3/4	197	6-1/8	156	101° TO 130°	
5-3/4	146	4-1/8	105	OVER 131°	



INSTALLATION INSTRUCTIONS

1. Select degree of door opening. Use dimensions shown in chart to mark location of attaching screws on door and frame. Prepare holes.

Dimensions are in inches (mm).

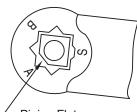
2. Attach closer to door with speed regulating valves away from hinge.

· Do not scale drawing.

- 3. Attach PA plate to top frame as shown.
- 4. Remove foot from forearm and discard.
- 5. Install arm on pinion shaft. Rotate pinion 45° toward hinge edge of door to align main arm.
  - "B" (right hand door) or
  - "A" (left hand door)

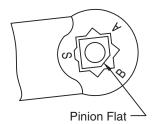
Fasten with arm screw.

- 6. Fasten forearm to PA plate using screw removed from foot in Step 4 and PA shoe washer included in screw pack.
- 7. Adjust forearm length to set arm elbow about 1-1/2" (38mm) from door. When connected to main arm, use washer and screw provided to secure pivot connection. Tighten locknut.
- 8. Snap pinion cap over spindle at bottom of closer.
- 9. Adjust closer.









For Right Hand Door

