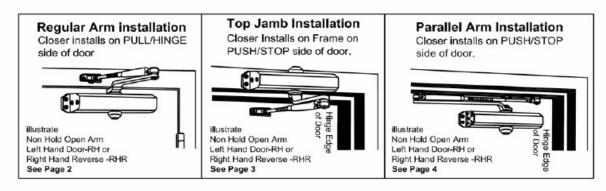


Door Closer Non Hold-Open Standard:Back Check Power adjustable 1-4 / 3-6

### INSTALLATION INSTRUCTIONS



#### CLOSER ADJUSTMENT

#### CLOSING CYCLE

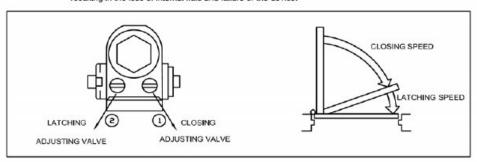
NOTE : Closing arcs("CLOSE"and"LATCH") are controlled by two(2) seperate speed adjusting valves, Adjust the CLOSING speed first and then adjust the LATCHING speed.

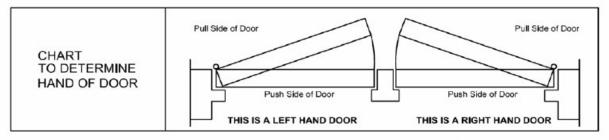
- "CLOSING" speed adjustment is accomplished by full rotations of the speed adjusting valve.
   Turn the speed adjusting valve CLOCKWISE for a SLOWER CLOSE arc closing speed.
- Turn the speed adjusting valve COUNTER-CLOCKWISE for a FASTER CLOSE arc closing speed.

  Turn the speed adjustment accomplished by full rotations of the speed adjusting valve.

  Turn the speed adjusting screw CLOCKWISE for a SLOWER latch are closing speed.
- -Turn the speed sdjusting screw COUNTER-CLOCKWISE for a FASTER Latch arc closing speed.

CAUTION!! Do not turn speed adjusting valve more than two(2) full turns counter-clockwise from its f actory set position, as two speed adjusting valves could dislodged from the door closer body, resulting in the loss of internal fluid and failure of the device.



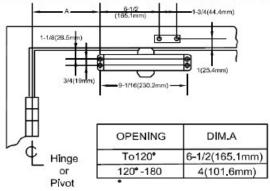




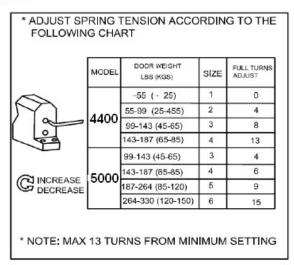
Door Closer Non Hold-Open Standard:Back Check Power adjustable 1-4 / 3-6

## Installation Instructions for REGULAR ARM (PULL SIDE) Mounting

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180 ° OPENINGS.



- Right hand door shown
- left hand door opposite
- Dimensions are in inches
- Do not scale drawing



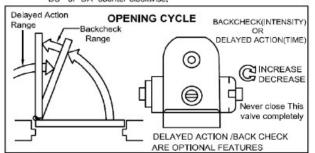
### INSTALLATION INSTRUCTIONS

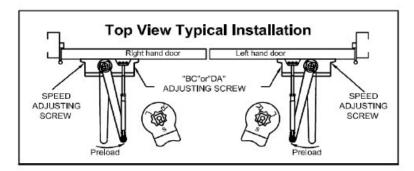
- Select door opening angle and use dimensions shown above, mark four (4) holes on door for door closer and two (2) holes on frame for arm shoe.
- Drill priot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws.
- Instal forearm/arm shoe assembly to frame using screws provided.
- Mount closer on door using screws provided . SPEED ADJUSTING VALVE MUST BE POSITIONED TOWARD HINGE EDGE
- Instal main arm to top pinion shaft, perpendicular to door as shown below. Secure tightly with arm screw/washer assembly provided.
- Adjust length of forearm so that forearm is perpendicular to frame when assembled to preloaded main arm (Illustration below). Secure forearm to main arm with screw/washer assembly provided.
- 7. Snap pinion cap over shaft at bottom of closer.
- Adjust closing speed of door, following instructions as shown page 1.

### OPENING CYCLE

NOTE: these instructions apply only to closers equipped with backcheck or delayed action.

- To increase backcheck intensity, turn valve marked "BC" or "DA" clockwise.
- To decrease backcheck intensity , turn valve marked "BC" or "DA" counter-clockwise.



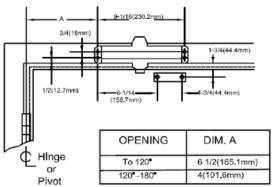




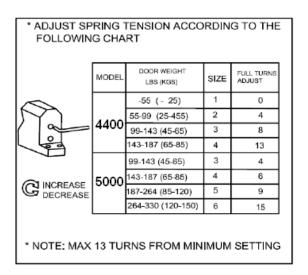
Door Closer Non Hold-Open Standard:Back Check Power adjustable 1-4 / 3-6

# Installation Instructions for TOP JAMB (PUSH SIDE) Mounting

THIS TEMPLATE COVERS TOP JAMB INSTALLATIONS TO 180 \* OPENINGS.



- · Left hand door shown
- · Right hand door opposite
- Dimensions are in inches
- Do not scale drawing



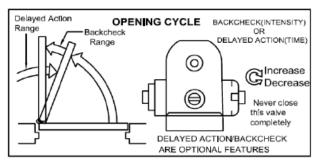
### INSTALLATION INSTRUCTIONS

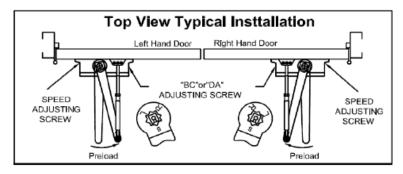
- Select door opening angle and use dimensions shown above, mark four (4) holes on frame for door closer and two (2) holes on door of arm shoe.
- Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws
- Instal forearm/arm shoe assembly to door using screws provided.
- Mount closer on frame using screws provided SPEED ADJUSTING VALVE MUST BE POSITIONED TOWARD HINGE EDGE
- Install main arm to top pinion shaft, perpendicular to door as shown below, Secure tightly with arm screw/washer assembly provided.
- Adjust length of forearm so that forearm is perpendicular to frame when assembled to preloaded main arm(illustration below). Secure forearm to main arm with screw/washer assembly provided.
- 7. Snap pinion cap over shaft at bottom of closer.
- Adjust closing speed of door, following instructions: as shown Page 1.

#### **OPENING CYCLE**

NOTE: These instructions apply only to closers equipped with backcheck or delayed action.

- To increase backcheck intensity, turn valve marked "BC" or "DA" clockwise.
- To decrease backcheck intensity, turn valve marked "BC" or "DA" counter-clockwise.





Page: 3

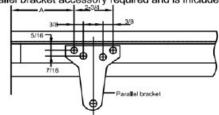


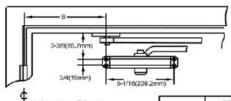
Door Closer Non Hold-Open Standard:Back Check Power adjustable 1-4 / 3-6

# Installation Instructions for PARALLEL ARM (PUSH SIDE) Mounting

THIS TEMPLATE COVERS PARALLEL ARM INSTALLATIONS TO 180° OPENINGS.

Parallel bracket accessory required and is inloluded.





- E Hinge or Pivot
- Left hand door shownRight hand door opposite
- Dimensions are in inches
- Do not scale drawing
- OPENING DIM.A SIZE:4 & 5 SIZE:4 & 5 To 120\* 10 3/4 (273mm) (176.2mm) 120\*-180\* 8 3/4 (222.2mm) (120.6mm)

\* ADJUST SPRING TENSION ACCORDING TO THE FOLLOWING CHART

	MODEL	DOOR WEIGHT LBS (KGS)	SIZE	FULL TURNS ADJUST
	4400	-55 ( - 25)	1	0
		55-99 (25-455)	2	4
		99-143 (45-65)	3	8
		143-187 (65-85)	4	13
G INCREASE DECREASE	DUUU.	99-143 (45-65)	3	4
		143-187 (65-85)	4	6
		187-264 (85-120)	5	9
		264-330 (120-150)	6	15

\* NOTE: MAX 13 TURNS FROM MINIMUM SETTING

### INSTALLATION INSTRUCTIONS

- Select door opening angle and use dimensions shown above, mark four (4) holes on door for door closer and three(3) holes underside of frame for paralled of bracket.
- Drill pilot holes in door and frame to #14 all-purpose screws or drill and tap for 1/4-20 machine screws.
- Mount closer on door using screws provided SPEED adjusting valve must be positioned away from hinge edge
- Install parallel Arm Bracket to frame using screws provided
   Using a wrench on the square shaft at bottom of closer, rotate
- Using a wrench on the square shaft at bottom of closer, rotate shaft approximately 45 degree toward hinge of door. Hold and place main arm of shaft on top of closer at proper index mark as illustrated
- FOR LEFT HAND DOOR "L"(illustration "A"). FOR RIGHT HAND DOOR "L"(illustration "B"). Tighten arm screw with lockwasher securely.
- Remove arm shoe from fore arm and discard. Install ROD and of fore arm to bracket using screw/washer assembly provided.
- Adjust lenght of adjustable forearm so that adjustable forearm is parallel to frame.
- Adjust closing speed of door following instructions as shown Page 1

#### **OPENING CYCLE**

NOTE: These instructions apply only to closers equipped with backcheck or delayed action.

To increase backcheck intensity, turn valve marked "BC" or 'DA" clockwise.

To decrease backcheck intensity, turn valve marked

"BC" or 'DA" counter clockwise.

