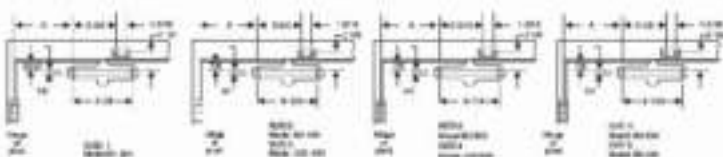


# DOOR CLOSER

Surface Mounted  
Size: 1, 2, 3, 4, 5  
Optional Backcheck  
And Hold open

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

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENINGS

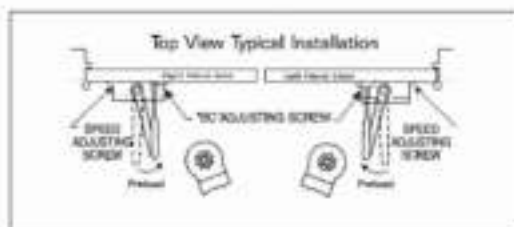


- Right hand door shown
- Left hand door opposite
- Dimensions are in inches
- Drawing not to scale

OPENING	DM-A 1" (25.4MM)	DM-B 1 1/2" (38.1MM)	DM-C 2" (50.8MM)	DM-D 2 1/2" (63.5MM)	DM-E 3" (76.2MM)
TO 120°	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)
TO 180°	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)

### INSTALLATION INSTRUCTIONS

- Select door opening angle and use dimensions shown above. Mark (1/8") holes in door for door closer and (1/8") hole in frame for arm shoe.
- 200 pin holes in door and frame for #14 all purpose screws or #8 and top for 1/4-20 machine screws.
- Install intermediate shoe assembly to frame using screws provided.
- Mount closer on door using screws provided. **SPEED ADJUSTING VALUE MUST BE POSITIONED TOWARD HINGE EDGE.**
- Install main arm to top pin on shaft, perpendicular to door as shown below. Secure tightly with an intermediate assembly provided.
- Adjust length of forearm on that bracket to perpendicular to frame when door is partially fully open (illustration below). Secure bracket to main arm with intermediate assembly provided.
- Drop pin on top rear shaft of closer.
- Adjust closing speed of door, following instructions on sheet page 1.



Page 2

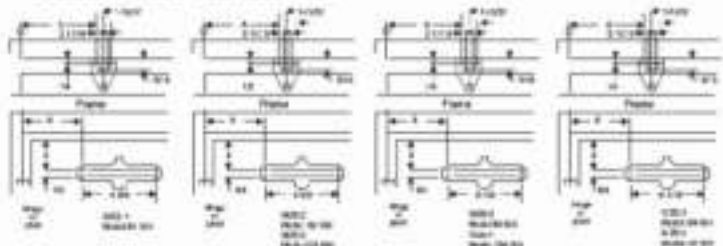
# DOOR CLOSER

Surface Mounted  
Size: 1, 2, 3, 4, 5  
Optional Backcheck  
And Hold open

## Installation Instructions for PARALLEL ARM(PUSH SIDE) Mounting

THIS TEMPLATE COVERS PARALLEL ARM INSTALLATIONS TO 180° OPENINGS

Parallel bracket necessary required and is included.



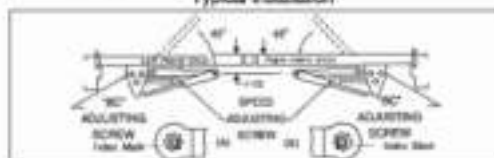
- Left hand door shown
- Right hand door opposite
- Dimensions are in inches
- Drawing not to scale

OPENING	DM-A 1 1/2" (38.1MM)	DM-B 2" (50.8MM)	DM-C 2 1/2" (63.5MM)	DM-D 3" (76.2MM)	DM-E 3 1/2" (88.9MM)
TO 120°	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)
TO 180°	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)

### INSTALLATION INSTRUCTIONS

- Select door opening angle and use dimensions shown above (with 1/8" hole in door for door closer and 1/8" hole under side of frame for parallel bracket).
- 200 pin holes in door and frame for #14 all purpose screws or #8 and top for 1/4-20 machine screws.
- Mount closer on door using screws provided. **SPEED ADJUSTING VALUE MUST BE POSITIONED AWAY FROM HINGE EDGE.**
- Install Parallel Arm. Parallel frame using screws provided.
- Using a wrench on the square shaft of closer, rotate shaft approximately 1/2" toward hinge side of door (not on other side of shaft on top of door as shown below). (Illustration below) FOR LEFT HANDED DOORS (Illustration below) FOR RIGHT HANDED DOORS "R" (Illustration below) Tighten as to cover with intermediate assembly.
- Remove arm shoe from forearm and install. Install PCB and all forearm to bracket using intermediate assembly provided.
- Adjust length of adjustable forearm on that adjustable forearm to be perpendicular to frame.
- Adjust closing speed of door, following instructions on sheet page 1.

### Typical Installation



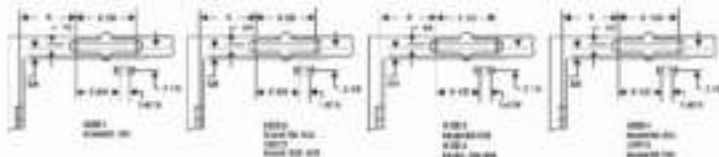
Page 4

# DOOR CLOSER

Surface Mounted  
Size: 1, 2, 3, 4, 5  
Optional Backcheck  
And Hold open

## Installation Instructions for TOP JAMB(PUSH SIDE) Mounting

THIS TEMPLATE COVERS TOP JAMB INSTALLATIONS TO 180° OPENINGS

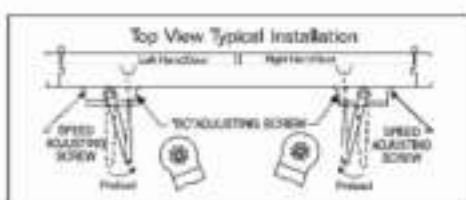


- Left hand door shown
- Right hand door opposite
- Dimensions are in inches
- Drawing not to scale

OPENING	DM-A 1 1/2" (38.1MM)	DM-B 2" (50.8MM)	DM-C 2 1/2" (63.5MM)	DM-D 3" (76.2MM)	DM-E 3 1/2" (88.9MM)
TO 120°	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)
TO 180°	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)	4.375 (110.8MM)

### INSTALLATION INSTRUCTIONS

- Select door opening angle and use dimensions shown above. Mark (1/8") hole in frame door for door closer and two (2) holes on top arm shoe.
- 200 pin holes in door and frame for #14 all purpose screws or #8 and top for 1/4-20 machine screws.
- Install intermediate shoe assembly to frame using screws provided.
- Mount closer on door using screws provided. **SPEED ADJUSTING VALUE MUST BE POSITIONED TOWARD HINGE EDGE.**
- Install main arm to top pin on shaft, perpendicular to door as shown below. Secure tightly with an intermediate assembly provided.
- Adjust length of forearm on that bracket to perpendicular to frame when door is partially fully open (illustration below). Secure forearm to main arm with intermediate assembly provided.
- Drop pin on top rear shaft of closer.
- Adjust closing speed of door, following instructions on sheet page 1.

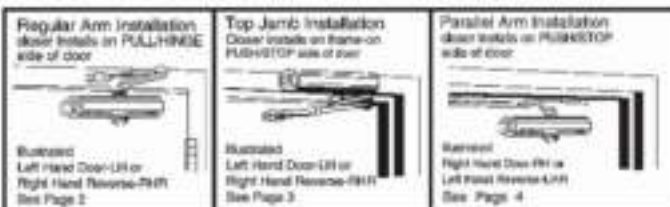


Page 3

# DOOR CLOSER

Surface Mounted  
Size: 1, 2, 3, 4, 5  
Optional Backcheck  
And Hold open

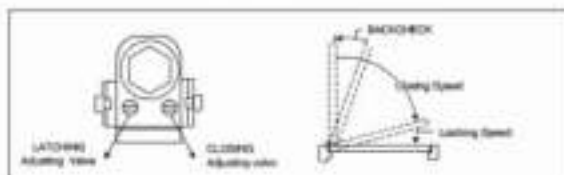
## Installation Instructions Sheet



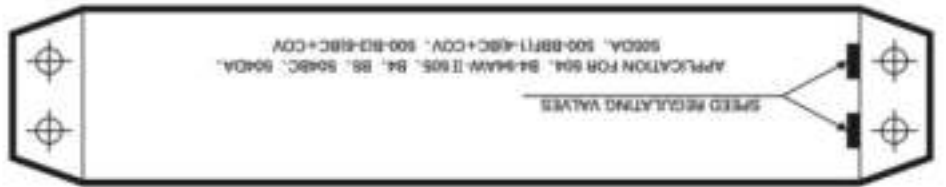
### CLOSER ADJUSTMENT

#### CLOSING CYCLE

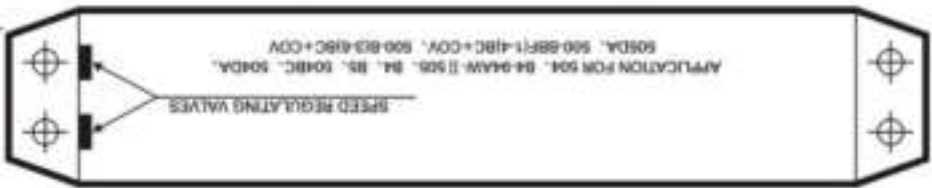
- NOTE: Closing and CLOSING and PLATO are controlled by two (2) separate speed adjusters which adjust the CLOSING speed first, then adjust the PLATO speed.
- CLOSING speed adjustment is accomplished by the rotation of the speed adjusting valve.
- Turn the speed adjusting valve COUNTER-CLOCKWISE for a FASTER closing speed.
  - Turn the speed adjusting valve CLOCKWISE for a SLOWER closing speed.
- PLATO speed adjustment is accomplished by rotation of the speed adjusting valve.
- Turn the speed adjusting valve COUNTER-CLOCKWISE for a SLOWER closing speed.
  - Turn the speed adjusting valve CLOCKWISE for a FASTER closing speed.
- CAUTION: Do not turn speed adjusting valve more than 180 DEGREES counter-clockwise from its factory set position, as too speed adjusting valve could become dislodged from the door closer body resulting in the loss of intermediate and failure of the device.



Page 1



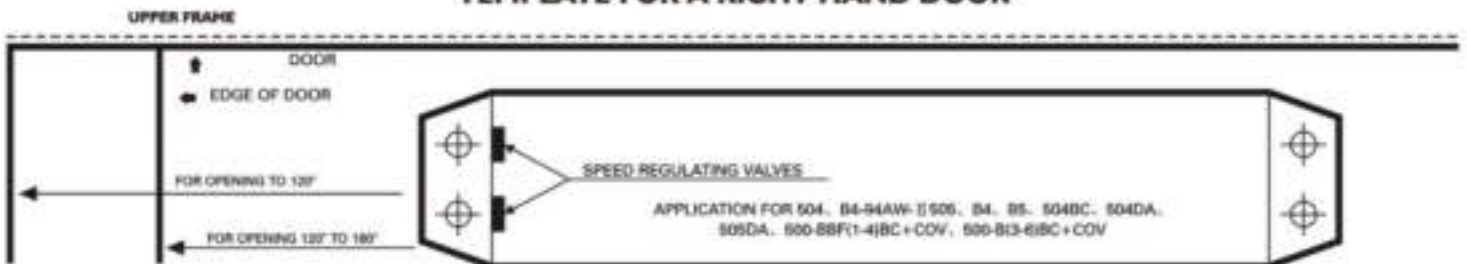
**PARALLEL APPLICATION  
TEMPLATE FOR A RIGHT HAND DOOR**



**STANDARD APPLICATION  
TEMPLATE FOR A LEFT HAND DOOR**



**STANDARD APPLICATION  
TEMPLATE FOR A RIGHT HAND DOOR**



**PARALLEL APPLICATION  
TEMPLATE FOR A LEFT HAND DOOR**

