

Non Hold Open Door Closer



Unit Adjustment

Control Valve Adjustments

(see Figure 2.)

Closing Speed Controls(Figure 2)

• Valve "1" Controls Sweep Range.

• Valve "2" Controls Latch Range.

• Valve "D" Controls Delay Range. (Optional)

Opening Cycle

• "Backcheck" valve controls the strength of cushioning in Backcheck Range. NEVER close this valve completelyit is not to provide a positive stop. (see Figure 2).



BE NOTED THIS 990SERIES ARE SET DOWN AS DOOR CLOSER SIZE 3 FROM THE FACTORY.

EX. SIZE 2 CLOSER CAN BE MADE BY ROTATING SPRING ADJUSTING NUT ANTI CLOCKWISE 3 TURNS BECAUSE IT WAS SET DOWN AS SIZE 3 FROM THE FACTORY ORIGINALLY. ALSO IN A SAME WAY SIZE 6 CLOSER CAN BE MADE BY ROTATING SPRING ADJUSTING NUT CLOCKWISE 11 TURNS.



Regular Arm

Installation Instructions

Template



- RIGHT HAND DOOR SHOWN . - SAME DIMENSIONS APPLY FOR LEFT HAND DOOR MEASURED FROM CENTERLINE OF PIVOT POINT. - DIMENSIONS ARE IN <u>INCHES</u> (mm.)

Left Hand Door

PLEASE NOTE

- This drawing is not to full scale.
- Therefore, do not use it as your template to locate the hole positions while you fabricate your door and frame for the installation of this product.
- Instead make the measurements needed manually without the use of the enclosed template which is not to full scale.



Right Hand Door

INSTALLATION INSTRUCTIONS

- Select angle of opening and use dimensions shown to locate 4 HOLES ON DOOR for closer body and 2 HOLES ON FRAME face for arm shoe.
- Prepare door and frame for fasteners. See "Preparation for Fasteners", page 1-figure 1.
- Set closing power for door size using Chart see page 1-figure 3.
- Mount closer body on door with screws @or③, page 1-figure 1. Be sure that power adjustment nut is away from hinge.
- Place main arm on closer pinion shaft with screw ① page 1-figure 1. Indexing main arm mark "S" with pinion groove as shown at right.
- Fix arm shoe to frame with screws (4) or (5), page 1-figure 1.
- Insert connecting rod into forearm.
- Pull main arm toward opposite side of hinge so that connecting rod will be perpendicular to door. Fix connecting rod on forearm using screws (6), page 1-figure 1.
- Adjust closer and install cover and pinion cap. (When full cover is installed, use screws ①, page 2- figure 1.)
- See page 1(figure 2.) for closer adjustment.



Top Jamb

Installation Instructions

Template



PLEASE NOTE

- This drawing is not to full scale.
- Therefore, do not use it as your template to locate the hole positions while you fabricate your door and frame for the installation of this product.
- Instead make the measurements needed manually without the use of the enclosed template which is not to full scale.

INSTALLATION INSTRUCTIONS

- Select angle of opening and use dimensions shown to locate 4 HOLES ON FRAME for closer body and 2 HOLES ON DOOR face for arm shoe.
- Prepare door and frame for fasteners. See "Preparation for Fasteners", page 1-figure 1.
- Set closing power for door size using Chart see page 1-figure 3.
- Mount closer body on frame with screws @or③, pag e1- figure 1. Be sure that power adjustment nut is away from hinge.
- Place main arm on closer pinion shaft with screw ① page 1-figure 1. Indexing main arm mark "S" with pinion groove as shown at right.
- Fix arm shoe to door with screws ④or⑤, page 1-figure 1.
- Insert connecting rod into forearm.
- Pull main arm toward opposite side of hinge so that connecting rod will be perpendicular to door. Fix connecting rod on forearm using screws (6), page 1-figure 1.
- Adjust closer and install cover and pinion cap. (When full cover is installed, use screws ①, page 1- figure 1.)
- See page 1(figure 2.) for closer adjustment.





Parallel Arm

Installation Instructions

Template



- Select angle of opening and use dimensions shown to locate 4 HOLES ON DOOR for closer body and 4 HOLES ON FRAME face for parallel arm bracket.
- Prepare door and frame for fasteners. See "Preparation for Fasteners", page 1-figure 1.
- Set closing power for door size using Chart below right and see page 1-figure 3.
- Mount closer body on door with screws @or3, page 1-figure 1. Be sure that power adjustment nut is toward hinge.
- Place main arm on closer pinion shaft with screw 1 page 1-figure 3. indexing main arm mark "L" or "R" with pinion groove as shown at right.
- \bullet Fix parallel arm bracket to frame with screws ${\tilde {I}}$ or ${\tilde {I}},$ page 1-figure 1.
- Disconnect arm shoe from connecting rod by removing screw. Remove arm shoe from connecting rod and discard. Assemble parallel arm bracket to connecting rod with screw (1), page 1-figure 1.
- Insert connecting rod into forearm.
- With door closed, adjust length of forearm and connecting rod so that the tip of the main arm is 1-1/2["] (38mm.) from parallel with door. Secure with screws (6), page 2.
- Adjust closer and install cover and pinion cap. (When full cover is installed, use screws 0, page 1-figure 1.)
- See page 1(figure 2) for closer adjustment.

