

Parts

Optional

Installation Sequence

Backcheck

Caution:
Don't completely
close valve

Mark and Drill Holes

Inches
(mm)

Right Hand Shown

Door/Wall/Hardware/Jamb
conditions permitting

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

Alonger connecting
rod is required
for reveals greater
than 3 (76)

Reveal

Sweep

Latch

Optional Delay Action

Adjust delay action accordingly to
obtain desired delay time.

Pinion Cap or Optional Cover

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

Sweep

Latch

Backcheck

OPTIONAL DELAY ACTION

Adjust delay action according to obtain desired delay time.

Spring Power Adjust

(Use 1/8" Hex Wrench for this Adjustment)

MAXIMUM DOOR WIDTH		FULL TURNS REQUIRED
EXTERIOR DOORS	INTERIOR DOORS	
—	5 lb-ft*	5 TURNS C.C.W.
8.5 lb-ft*	34" (864)	3 TURNS C.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.

Arm Placement in Shoe

7-1/2" stronger

or

7-1/2" weaker

Regular Arm Installation
See Page 2

Left Hand Door-LH
Right Hand Reverse-RHR

Top Jamb
Installation
See Page 5

Left Hand Door-LH
Right Hand Reverse-RHR

Parallel Arm
Installation
See Pages
3 & 4

Left Hand Door-LH
Right Hand Reverse-RHR

Right Hand Door-RH
Left Hand Reverse-LHR

Top Jamb
Installation
See Page 5

Right Hand Door-RH
Left Hand Reverse-LHR

Parallel Arm
Installation
See Pages
3 & 4

Right Hand Door-RH
Left Hand Reverse-LHR

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.

CAUTION Regular Arm Installation See Page 2

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

Machine Screws

#7 Drill 1/4-20 Tap

(Optional)

Sleeve Nut and Bolt

Drill 9/32 thru from Closer Side
3/8 Drill the Side

Thru Bolt and Grommet Nut

Drill 9/32 thru from Closer Side
3/8 Drill the Other Side

Closer Body

Closer Arm

Standard Full Cover

Parallel Arm Bracket
Screw Pack

Parts

1

Mark and Drill Holes

2

Installation Sequence

3

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

4

Sweep

5

Latch

6

Backcheck

7

Pinion Cap or Optional Cover

8

Parts

1 Cover
2 Optional
3 Bolt
4 Bolt
5 Bolt

Installation Sequence

1-1/2" F

Close Valves

Sweep
Latch

Install Closer and Bracket

Preload Closer

Place Arm on Spindle
Rotate
Remove Arm from Spindle

Mark and Drill Holes

2-3/4 (70)
3/8 (10)
A
2 (51)
7/16 (11)
1/2 (13)
B
Top of Door
Frame
3-1/2 (89)
3/4 (19)
12 (304.8)
Right Hand Shown

Door Opening	A	B
To 120"	9-1/2 (241)	3-3/4 (95)
*121 to 180"	7 (178)	4-1/4 (112)

Inches (mm)

* Door/Wall/Hardware/Jamb conditions permitting

7 Right Hand Door or Left Hand Door Flat	8 Open Valves Sweep Latch Caution: Don't remove valves	9 Assemble Arm
10 Arm Screw 1-1/2 (38)	11 Spring Power Adjust + -	12 Sweep + -
13 Latch + -	14 Backcheck Caution: Don't completely close valves	15 Pinion Cap or Optional Cover OPTIONAL DELAY ACTION Adjust delay action accordingly to obtain desired delay time.