

Non Hold Open Door Closers-Regular Arm

1 Parts

Optional covers

2 Mark and Drill Holes

Right Hand Shown

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

Inches (mm)

* Door/Wall/Hardware/Jamb conditions permitting

3 Installation Sequence

4 Sweep

5 Latch

6 Backcheck

Caution: Don't completely close valve

7 Pinion Cap or Optional Cover

1 Parts

Optional covers

2 Mark and Drill Holes

Right Hand Shown

Door Opening	A	B
To 120"	9-1/2 (241)	3-3/4 (95)
*121" to 180"	7 (178)	1-1/4 (32)

Inches (mm)

* Door/Wall/Hardware/Jamb conditions permitting

3 Installation Sequence

4 Close Valves

5 Install Closer and Bracket

6 Preload Closer

Place Arm on Spindle

Rotate

Remove Arm from Spindle

7 Latch

8 Open Valves

Caution: Don't remove valves

9 Assemble Arm

10 Arm Screw

11 Spring Power Adjust

12 Sweep

13 Latch

14 Backcheck

Caution: Don't completely valves

15 Pinion Cap or Optional Cover

Non Hold Open Door Closers - Parallel Arm

1 Parts

Optional covers

2 Mark and Drill Holes

Right Hand Shown

Door Opening	A	B
To 120"	9-1/2 (241)	3-3/4 (95)
*121" to 180"	7 (178)	1-1/4 (32)

Inches (mm)

* Door/Wall/Hardware/Jamb conditions permitting

3 Installation Sequence

4 Close Valves

5 Install Closer and Bracket

6 Preload Closer

Place Arm on Spindle

Rotate

Remove Arm from Spindle

7 Latch

8 Open Valves

Caution: Don't remove valves

9 Assemble Arm

10 Arm Screw

11 Spring Power Adjust

12 Sweep

13 Latch

14 Backcheck

Caution: Don't completely valves

15 Pinion Cap or Optional Cover

1 Parts

Optional covers

2 Mark and Drill Holes

Right Hand Shown

Door Opening	A	B
To 120"	9-1/2 (241)	3-3/4 (95)
*121" to 180"	7 (178)	1-1/4 (32)

Inches (mm)

* Door/Wall/Hardware/Jamb conditions permitting

3 Installation Sequence

4 Close Valves

5 Install Closer and Bracket

6 Preload Closer

Place Arm on Spindle

Rotate

Remove Arm from Spindle

7 Latch

8 Open Valves

Caution: Don't remove valves

9 Assemble Arm

10 Arm Screw

11 Spring Power Adjust

12 Sweep

13 Latch

14 Backcheck

Caution: Don't completely valves

15 Pinion Cap or Optional Cover

Non Hold Open Door Closers - Parallel Arm

1 Parts

Optional covers

2 Mark and Drill Holes

Right Hand Shown

Door Opening	A	B
To 120"	9-1/2 (241)	3-3/4 (95)
*121" to 180"	7 (178)	1-1/4 (32)

Inches (mm)

* Door/Wall/Hardware/Jamb conditions permitting

3 Installation Sequence

4 Close Valves

5 Install Closer and Bracket

6 Preload Closer

Place Arm on Spindle

Rotate

Remove Arm from Spindle

7 Latch

8 Open Valves

Caution: Don't remove valves

9 Assemble Arm

10 Arm Screw

11 Spring Power Adjust

12 Sweep

13 Latch

14 Backcheck

Caution: Don't completely valves

15 Pinion Cap or Optional Cover

1 Parts

Optional covers

2 Mark and Drill Holes

Right Hand Shown

Door Opening	A	B
To 120"	9-1/2 (241)	3-3/4 (95)
*121" to 180"	7 (178)	1-1/4 (32)

Inches (mm)

* Door/Wall/Hardware/Jamb conditions permitting

3 Installation Sequence

4 Close Valves

5 Install Closer and Bracket

6 Preload Closer

Place Arm on Spindle

Rotate

Remove Arm from Spindle

7 Latch

8 Open Valves

Caution: Don't remove valves

9 Assemble Arm

10 Arm Screw

11 Spring Power Adjust

12 Sweep

13 Latch

14 Backcheck

Caution: Don't completely valves

15 Pinion Cap or Optional Cover

Non Hold Open Door Closer - Top Jamb Arm

1 Parts

Optional Covers

2 Mark and Drill Holes

Inches (mm)

Right Hand Shown conditions permitting

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

*Door/Wall/Hardware Jamb conditions permitting

Along connecting rods required for reveals greater than 3/7(6)

Reveal

Top of Frame

3 Installation Sequence

4 Sweep

5 Latch

6 Backcheck

Caution: Don't completely close valve

7 Pinion Cap or Optional Cover

Adjustments Page

1 Sweep

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

2 Latch

3 Backcheck

4 Spring Power Adjust

POWER ADJUSTMENT CHART

MAXIMUM DOOR WIDTH	INTERIOR DOORS	EXTERIOR DOORS	FULL TURNS REQUIRED	FULL TURNS C.C.W.
8.5lb.-f*	5lb.-f*	—	5 TURNS	3 TURNS C.C.W.
30"(762)	34"(864)	30"(762)	0 TURNS	3 TURNS C.C.W.
36"(914)	48"(1219)	36"(914)	5 TURNS	5 TURNS C.W.
42"(1067)	54"(1372)	42"(1067)	10 TURNS	10 TURNS C.W.
48"(1219)	60"(1542)	48"(1219)	15 TURNS	15 TURNS C.W.

*15 Full (360°) turns maximum available Closer was set down as size 3 from the factory originally.

TDC-85 SERIES DOOR CLOSER

INSTALLATION INSTRUCTIONS

Non Hold Open Door Closer

Non hold Open Model Adjustable Size (1 thru 6)

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

NOTE: For special applications a separate door and frame preparation template is packed with these instructions. Use this instructions sheet for installation sequence and closer adjustable 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.

Regular Arm Installation See Page 2

Right Hand Door-RH Left Hand Reverse-LHR

CAUTION An improperly installed or incorrectly adjusted door closer can cause property damage or personal injury. These instructions should be followed to avoid the possibility of misapplication or misadjustment.

CAUTION

Tools:

Metals:

Wood:

(Optional):

Backcheck/valve: Latch Valve, Closer Body, Sweep Valve

Power adjustment stud: Regular Arm Top Jamb Shoe, Connecting Rod, Foam, Screw

Handicapped: Cover, Inset, Standard, Full Cover

Parallel Anti-ratchet: Parallel Anti-ratchet, Screw Pack