

Non Hold Open Door Closer -Top Jamb Arm

1 Parts

Optional Covers

2 Mark and Drill Holes

Inches (mm)

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

*Door/Wall/Hardware Jamb conditions permitting

A longer connecting rod is required for reveals greater than 3 inches (76mm)

3 Installation Sequence

4 Sweep

5 Latch

6 Backcheck & Optional Delay Action

Caution: Don't completely close valve

7 Pinion Cap or Optional Cover

Adjustments Page

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

Spring Power Adjust

(Use 1/8 Hex Wrench for this Adjustment)

Arm Placement in shoe

POWER ADJUSTMENT CHART

MAXIMUM DOOR WIDTH		FULL TURNS REQUIRED	MAX. DOOR WEIGHT LBS (KGS)
EXTERIOR DOORS	INTERIOR DOORS		
—	5lb-ft	-7 TURNS C.C.W.	-55 (- 25)
8.5lb-ft	34"(864)	-3 TURNS C.C.W.	55-99 (25-45)
30"(762)	38"(962)	0 TURNS	99-143 (45-65)
36"(914)	48"(1219)	4 TURNS C.W.	143-187 (65-85)
42"(1067)	54"(1372)	8 TURNS C.W.	187-264 (85-120)
48"(1291)	60"(1542)	13 TURNS C.W.	264-330 (120-150)

NOTED ! 20 Full (360°) turns maximum available from the Min. setting. Factory preset size 3 originally.

TDC-85 SERIES DOOR CLOSER



Non hold Open Model
Adjustable Size (1 thru 6)
Standard Backcheck
Optional Delay Action

INSTALLATION INSTRUCTIONS Non Hold Open Door Closer

Regular Arm Installation SEE Page 2

Left hand door -LH
Right Hand Reverse-RHR

TopJamb Installation SEE Page 5

Left Hand Door-LH
Right hand Reverse-RHR

Parallel Arm Installation see page 3&4

Left Hand Door-LH
Right hand Reverse-RHR

Regular Arm Installation See Page 2

Right Hand Door-RH
Left hand Reverse LHR

TopJamb Installation See Page 5

Right Hand Door-RH
Left hand Reverse LHR

Parallel Arm Installation see page 3&4

Right Hand Door-RH
Left hand Reverse LHR

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

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 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.

● These door closers should NOT be installed on the exposed side (weather side) of exterior doors

Metals

#7
1/4-20

Wood

3/16"

Self Drilling Screws Wood and Metal

For wood drill 3/16 hole

Machine Screws #7Dri. 1/4-20Tap

(Optional)

Sex bolts and Nuts

Drill 9/32 thru from closer side 3/8 Drill other side Sex Bolts and Nuts

Drill 9/32 thru from closer side 3/8 Drill other side

TDC-85 SERIES DOOR CLOSER

Non Hold Open Door Closers - Parallel Arm

Non Hold Open Door Closers-Regular Arm

Parts

1 Mark and Drill Holes

Right Hand Shown

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

* Door/Wall/Hardware/Jamb conditions permitting

3 Installation Sequence

4 Sweep

5 Latch

6 Backcheck & Optional Delay Action

Caution: Don't completely close valve

7 Pinion Cap or Optional Cover

Non Hold Open Door Closers - Parallel Arm

Parts

1 Mark and Drill Holes

3 Installation Sequence

2

Right Hand Shown

Door Opening	A	B
To 120°	9-1/2 (241mm)	3-3/4 (95mm)
121° to 180°	7 (187mm)	1-1/4 (32mm)

* Door/Wall/Hardware/Jamb conditions permitting

4 Close Valves

5 Install Closer and Bracket

6 Preload Closer

7

8 Open Valves

Caution: Don't remove valves

9 Assemble Arm

10 Arm Screw

11 Spring Power Adjust

12 Sweep

13 Latch

14 Backcheck & Optional Delay Action

Caution: Don't completely close valves

15 Pinion Cap or Optional Cover