

4400 Series Door Closer

Models UNIJ4400 and UNIJ4410

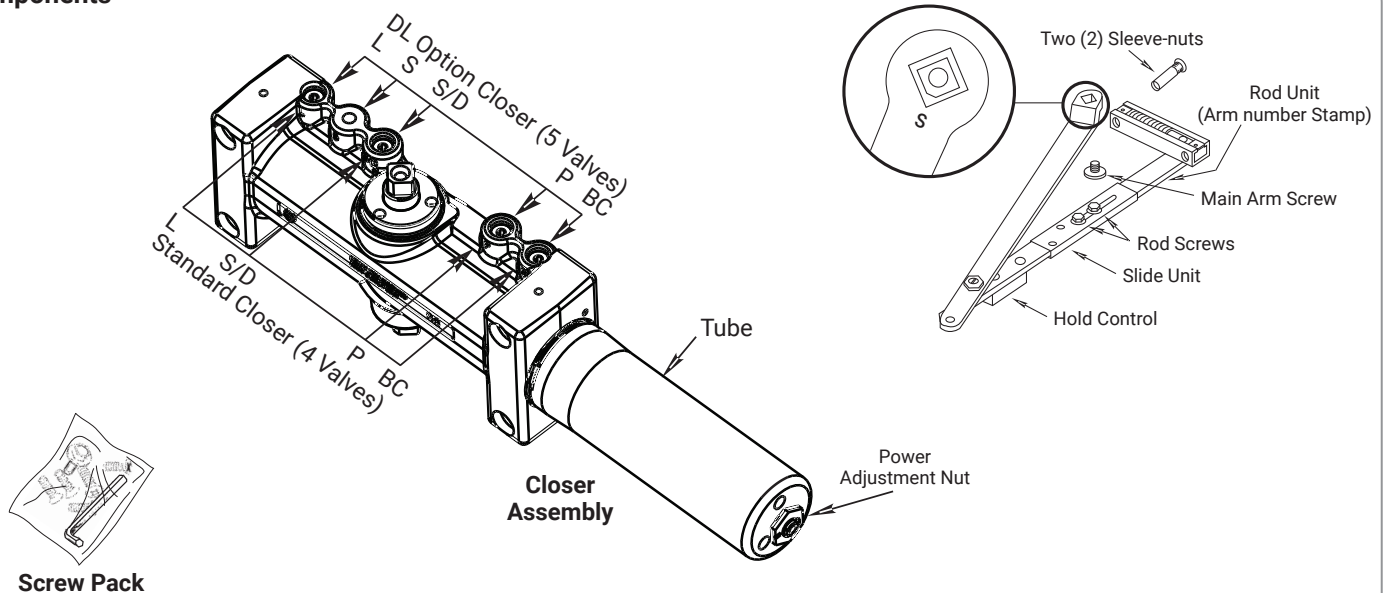
UNI Stop™ Top Jamb, Non-Hold Open and Hold Open Installation Instructions

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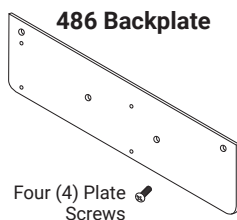
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- Always use template covering door opening angle desired, correct door thickness and frame reveal, and door hanging hardware being used. Template dimensions in these instructions (page 2) cover frame reveals to 7-3/8" (187mm) in openings with 1-3/4" (44mm) thick doors hung on 4-1/2" (114mm) wide template hinges (Table 1), 3/4" (19mm) offset pivots (Table 1) or center pivots (Table 2).
- Check hand of door: right or left (see "Top Jamb Installation" on page 3). Make sure that door opens the full angle desired and latches without any binding action or interference. Note that hold open units will require that door swing five (5) degrees past hold open point to dead stop position.
- Always use sex nuts and bolts to mount arm foot and to mount closer plate in flush partitions.
- Top Jamb UNI Stops are supplied with arm rod UNI-E according to frame reveal. An arm number is stamped on these arm rods as shown on Table 1 and Table 2 (page 2).

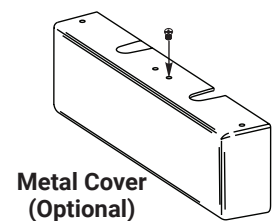
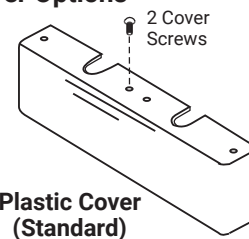
Components



Optional Accessories



Cover Options



⚠ WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.

⚠ WARNING

Attention Installer: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and ASSA ABLOY makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire-rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

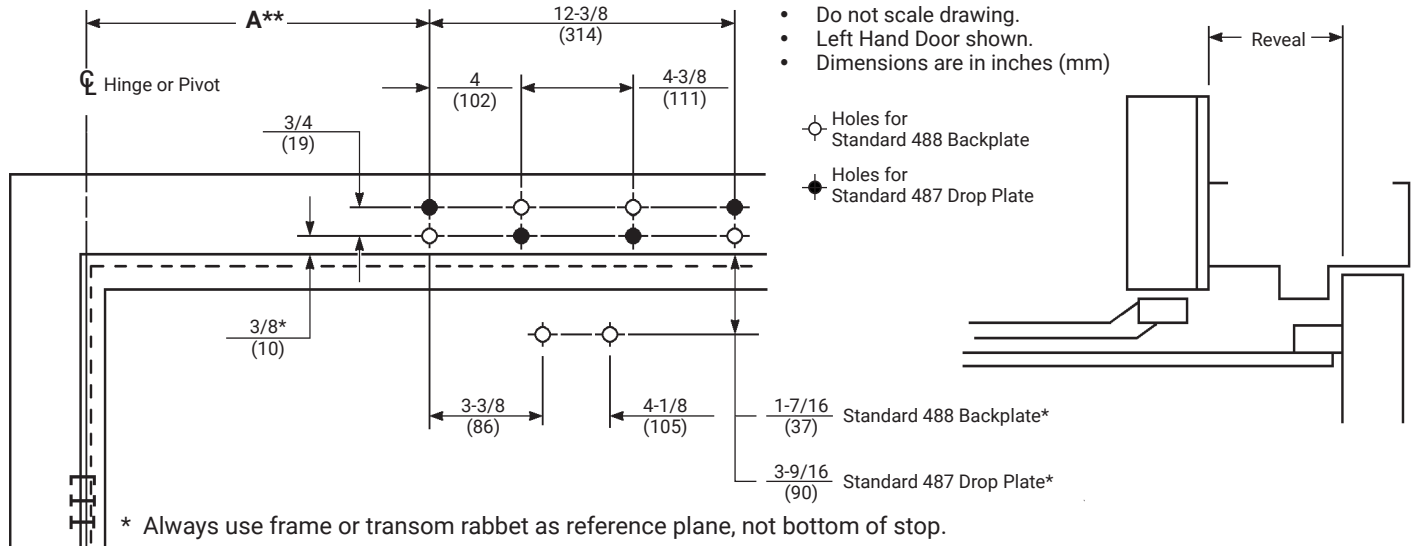
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Door Template



**For 1-3/4" door with 4-1/2" wide butts or 3/4" offset pivots, see Table 1 below.

For 1-3/4" door with center pivots, see Table 2 below.

All other conditions require a special template.

Door control location for 1-3/4" (44mm) thick doors hung on 4-1/2" (114mm) wide template hinges or 3/4" (19mm) offset pivots.														Table 1	
Arm Number Stamp	Non-Hold Open	J6600-4		J6200-4		J6100-4		J6400-4		J6500-41		J6500-42		J6500-43	
	Hold Open	J6600-7		J6200-7		J6100-7		J6400-7		J6500-71		J6500-72		J6500-73	
Reveal	inches	0 to 3/8		1/2 to 2		2-1/8 to 3-1/4		3-3/8 to 4-1/4		4-3/8 to 5-3/8		5-1/2 to 6-3/8		6-1/2 to 7-3/8	
	mm	0 to 10		13 to 50		55 to 83		85 to 108		111 to 137		140 to 162		165 to 187	
Door Opening Angle		Dimension A		Dimension A		Dimension A		Dimension A		Dimension A		Dimension A		Dimension A	
Hold Open	Door Stop	Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.
85°	90°	9-3/4	248	9-7/8	251	9-3/4	248	10	254	10-1/8	257	10-1/8	257	10-1/8	257
90°	95°	9	229	9-1/4	235	9-1/8	232	9-1/2	241	9-3/8	238	9-3/8	238	9-3/8	238
95°	100°	8-3/8	213	8-3/4	222	8-1/2	216	8-7/8	225	8-7/8	225	8-7/8	225	8-7/8	225
100°	105°	7-7/8	200	8-1/4	210	8	203	8-1/4	210	8-3/8	213	8-3/8	213	8-3/8	213
105°	110°	7-1/2	191	7-3/4	197	7-3/4	197	8	203	8-1/8	206	8-1/8	206	8-1/8	206
110°	115°	7-1/8	181	7-3/8	187	7-3/8	187	7-3/8	187	7-5/8	194	7-5/8	194	7-5/8	194

Door control location for 1-3/4" (44mm) thick doors hung on center pivots.														Table 2	
Arm Number Stamp	Non-Hold Open	J6600-4		J6200-4		J6100-4		J6400-4		J6500-41		J6500-42		J6500-43	
	Hold Open	J6600-7		J6200-7		J6100-7		J6400-7		J6500-71		J6500-72		J6500-73	
Reveal	inches	0 to 3/8		1/2 to 2		2-1/8 to 3-1/4		3-3/8 to 4-1/4		4-3/8 to 5-3/8		5-1/2 to 6-3/8		6-1/2 to 7-3/8	
	mm	0 to 10		13 to 50		55 to 83		85 to 108		111 to 137		140 to 162		165 to 187	
Door Opening Angle		Dimension A		Dimension A		Dimension A		Dimension A		Dimension A		Dimension A		Dimension A	
Hold Open	Door Stop	Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.	Inches	mm.
85°	90°	10-1/8	257	10-1/4	260	10-1/4	260	10-1/2	267	10-5/8	270	10-5/8	270	10-5/8	270
90°	95°	9-5/8	244	9-5/8	244	9-5/8	244	10	254	10	254	10	254	10	254
95°	100°	9	229	9-1/4	235	9-1/8	232	9-3/8	238	9-5/8	244	9-5/8	244	9-5/8	244
100°	105°	8-1/2	216	8-5/8	219	8-5/8	219	8-7/8	225	9-1/8	232	9-1/8	232	9-1/8	232
105°	110°	8	203	8-1/4	210	8-1/8	206	8-1/2	216	8-3/4	222	8-3/4	222	8-3/4	222
110°	115°	7-5/8	194	7-3/4	197	7-7/8	200	8-1/8	206	8-1/2	216	8-1/2	216	8-1/2	216

Models UNIJ4400 and UNIJ4410

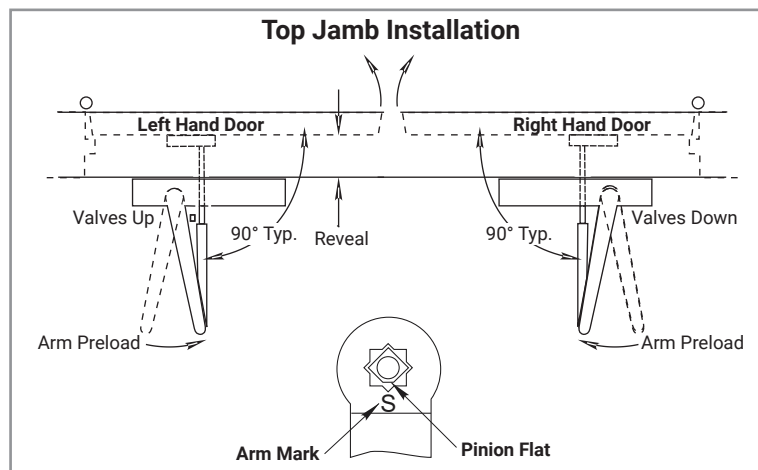
UNI Stop™ Top Jamb, Non-Hold Open & Hold Open

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Installation Sequence

- Refer to the template on page 2**
Select the template dimensions needed for the installation.
For 1-3/4" door with 4-1/2" wide butts or 3/4" offset pivots, see Table 1 on page 2.
For 1-3/4" door with center pivots, see Table 2 on page 2.
NOTE: A separate template is required for other applications
- Mark Location of Mounting Holes.**
Four (4) for the 486 backplate on the stop-side of the trim face.
Two (2) for the arm-foot on the door.
- Prepare Holes for Fasteners.**
Refer to the Preparation for Fasteners chart on below.
NOTE: Use sex-bolts in frames on flush partitions.
- Mount Closer to Door.**
Mount closer plate and install closer with power adjustment nut toward lock stile;
Right Hand: closer valves DOWN
Left Hand: closer valves UP.
- Disassemble rod unit from arm assembly and install it on the door.**
Rod is under shock absorber and closest possible to lock stile (refer to the installation graphic below.)
- Install Arm on Pinion Shaft.**
Mount the main arm onto the closer pinion shaft, aligning the "S" arm mark with the pinion flat as shown in the installation graphic below. Secure the arm with the main arm screw.
- Insert connecting rod into the slide unit and preload arm..**
Adjust the rod so it is perpendicular with the door. Secure the rod using the rod screws.
- Adjust closer and Install Cover.**
See page 4 for adjustment information.

Preparation for Fasteners			
Fasteners	Application	Door or Frame	Drill-Sizes
Sex nuts and bolts	Arm-foot (Closer plate in flush partition)	Hollow Metal	9/32" (7mm) through; 3/8" (9.5mm) door face opposite of closer
		Aluminum or Wood	3/8" (9.5mm) through
#14 x 1/4" Sheet Metal Screw	Closer Plate	Wood	3/16" (4.30mm)
1/4"-20 Machine Screw		Metal	Drill: #7 (0.201" dia); Tap: 1/4-20
Through bolts and grommet nuts	Optional	All	9/32" (7mm) through; 3/8" (9.5mm) dia. x 3/8" (9.5mm) deep, door face opposite of closer



Adjustments

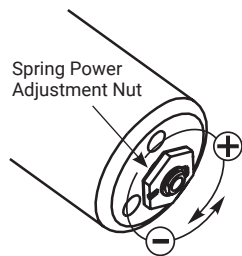
Closing Power Control

To adjust closer power, install closer per instructions with proper pre-load applied to the arm then adjust spring power.

To increase power, use 11/16" wrench to turn power adjustment nut clockwise.

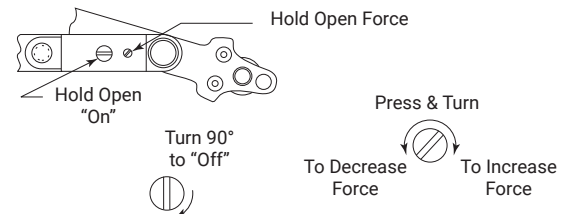
To decrease power, turn nut counter-clockwise.

NOTE: Power adjustment will not work properly if closer spring is not pre-loaded.



Power Adjustment Chart		
Door Size	Number of Full Clockwise Turns from Zero	
	Interior Door	Exterior Door
28"-32" (71-81cm)	0	3
33"-36" (84-91cm)	2	5
37"-42" (94-107cm)	5	7
43"-48" (109-122cm)	8	11

Hold Open Option



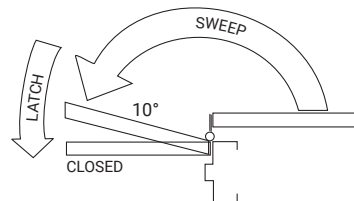
The Hold Open option is found at the arm elbow. (UNIJ4410 Model). To select hold open "on", hold open "off" or to adjust the hold open force, use a flat head screwdriver as illustrated.

Closing Speed Control

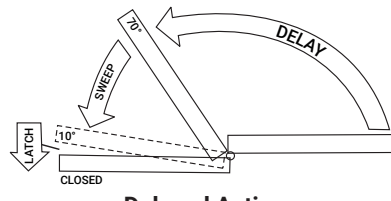
Standard Closer Only

- Valve "L" controls door speed in Latch range.
- Valve "S/D" controls door speed in Sweep range.

ATTENTION: Adjust closing speed time to between 3 and 7 seconds from 90°. Use of the door by handicapped, elderly, or small children may require a greater closing time.



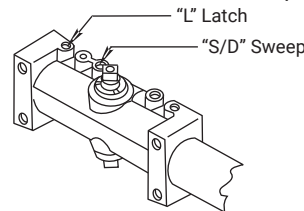
Standard Closing Cycle



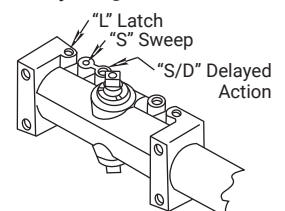
Delayed Action Closing Cycle

Delayed Action Closer Only

- Valve "L" controls door speed in Latch range.
- Valve "S" controls door speed in Sweep range.
- Valve "S/D" controls door speed in Delay range.

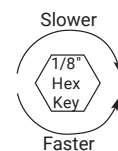


Standard Closer



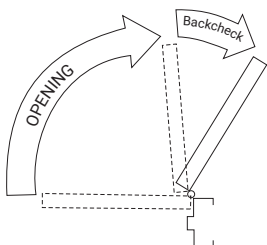
Delayed Action Closer

Do not force valves counter-clockwise out of closer body or a fluid leak will occur.



Opening Door Controls

- Backcheck ("B") valve controls the hydraulic resistance to door opening. NEVER close this valve completely – it is not to provide a positive stop.
- Backcheck Position ("P") valve controls the door angle where backcheck cushioning starts. Valve normally closed.



CAUTION:
Do not back valves out of closer or a leak will result.

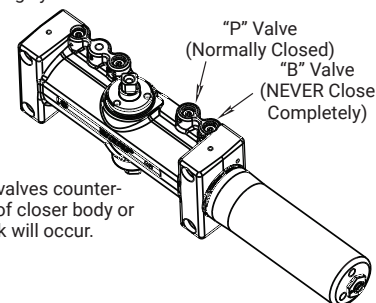
NEVER CLOSE VALVE COMPLETELY:
Not intended to provide a positive stop.

Backcheck Position

("P" Valve)
Open for backcheck later in door-opening cycle



Do not force valves counter-clockwise out of closer body or a fluid leak will occur.



Backcheck Cushion

("B" Valve)

Increase



Decrease