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Damper Actuators



Refer to Valve Accessories & Service Kits, D-225, for Rack & Pinion Linkage.

Accessories & Service Kits

	Description	Series			Quantity	Part No.
		GDE GLB	GEB GMA	GCA GIB GBB		
OpenAir						
	Actuator Commissioning Tool. A portable instrument for exercising, calibrating, and testing resistive, proportional (voltage/current), incremental (floating), and On/Off actuators.	•	•	•	1	985-047
	Adjustment Tool.		•		1	985-098P10
	Hex Key.	•			Pkg. of 24	985-054P24
	Crank Arm Kit. Allows a direct-coupled actuator to provide an auxiliary linear drive; can be used to simultaneously drive a set of opposing or adjacent dampers with a single actuator		•	•	1 1	ASK71.13 ASK71.4
	Crank Arm Kit with Bracket. For use in applications where the actuator can be rigidly surface-mounted and a linear stroke output is required.		•	•	1 1	ASK71.14 ASK71.4 
	Rotary to Linear Kit.	•			1	ASK71.5
	Rotary to Linear Kit with Universal Mounting Bracket.	•			1	ASK71.6
	Universal Crank Arm. For linear applications requiring connection to damper shaft when ball joint connection is not possible. • Shaft sizes 3/8 to 1".	•	•	•	1	ASK71.9

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Damper Actuators














Part No. in black box Ships same day when requested through Rapid Response™ shipping. See inside back cover for details.

SIEMENS

Accessories & Service Kits

	Description	Series			Quantity	Part No.
		GDE GLB	GEB GMA	GCA GIB GBB		
OpenAir						
	Tandem Mount Bracket. Provides an extended anti-rotation pin which allows dual mounting of 2-position, floating and GCA15 actuators, and all GIB actuators.			•	1	ASK73.1
	Tandem Mount Bracket. For dual mounting of modulating (0 to 10 V) GCA16X actuators.			•	1	ASK73.2U
	Floor Mount Kit. For airstream applications and where a foot-mounted actuator can be used. Ideal replacement of a Honeywell MOD motor. Includes crank arm, Teflon support-bearing ring, and mounting fasteners.			•	1	ASK71.1U 
	Frame Mount Kit. For direct mounting to damper frame. Includes a crank arm to generate a linear stroke, a Teflon support-bearing ring to minimize side-loading on the actuator's output bearing, and other mounting fasteners.			•	1	ASK71.2U 
	Combined Foot/Frame Mount Kit.		•		1	ASK71.11
	Damper Push Rods. 5/16" (8 mm) dia.	•	•	•		
	• 12" (30 cm) Length				1	338-041
	• 15" (38 cm) Length				1	338-042
	• 18" (46 cm) Length				1	338-043
	• 24" (61 cm) Length				1	338-044
	• 36" (91 cm) Length				1	338-045
	• 48" (122 cm) Length				1	338-046

Accessories & Service Kits

	Description	Series			Quantity	Part No.
		GDE GLB	GEB GMA	GCA GIB GBB		
OpenAir						
	Anti-rotation Bracket.	•			Pkg. of 24	985-055P24
	• Mounting Screws	•			Pkg. of 48	985-053P48
	Anti-rotation Bracket.			•	1	985-006
	Anti-rotation Bracket.		•			985-092
	Standard Shaft Adapter. Replacement for a standard self-centering shaft adapter.			•	1	985-004
	• up to a 1" (25 mm) D • up to 3/4" (20 mm) D		•		1	985-093
	Special Shaft Adapter. Accepts up to 1-1/20" (27 mm) diameter shaft and can be used for coupling to 1.05" (27 mm) jackshafts that are slightly oversized. <i>Note: When used with a GIB, accepts shaft diameters from 3/4 to 1-1/20" (19 to 27 mm).</i>			•	1	ASK74.1U
	Replacement Shaft Adapter Clip.		•	•	Pkg. of 20 Pkg. of 20	985-242P20 985-241P20
	5/8 to 3/4" (10 mm to 19 mm) Actuator Shaft Insert. For use with GIB and Special Shaft Adapter, ASK74.1U.			•	Pkg. of 20	985-052P20
	3/8" (8 to 10 mm) Actuator Shaft Insert.	•			Pkg. of 10	ASK78.3U
	1/2" (13 mm) Shaft Guide. Note: This part is factory-installed with all GDE/GLB damper actuators.	•			Pkg. of 25	985-101P25
	Standard Position Indicators.	•	•	•	Pkg. of 10 Pkg. of 10 Pkg. of 10	985-051P10 985-094P10 985-003
	1/2" (13 mm) Conduit Adapters.	•			1	ASK76.1U
		•			Pkg. of 20	ASK76.1UP20
	1/2" (13 mm) Conduit Adapters.			•	Pkg. of 20	985-008P20
	1/2" (13 mm) Conduit Adapter—Male.			•	Pkg. of 25	985-035P25

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SIEMENS

Accessories & Service Kits

	Description	Series			Quantity	Part No.
		GDE GLB	GEB GMA	GCA GIB GBB		
OpenAir						
	NEMA 3R Rated Weathershield. Includes cover, base plate with factory-installed gasketing, 15TEK self-drilling screws, and anti-rotation (mounting) bracket. Knockouts for connection of 1/2" conduit also included; NEMA 3R rated.		•	•	1 1	ASK75.3U ASK75.1U
	NEMA 3R Rated Heater and Weathershield. Includes weathershield listed above and heater assembly for operation in temps as low as -58°F; NEMA 3R rated.		•	•	1 1	985-107 985-106
	Heater Assembly. Includes replacement heater assembly.		•	•	1 1	985-108 985-105
	External Auxiliary Switch Kit. Includes dual switch package rated to 250 Vac, mounting screws and adapter rings. Mounts to the actuator, not damper shaft.		•	•	1	ASC77.2U
	500 Ohm Restrictor Kit. Converts 4-20 mA signal to 2 to 10 Vdc	•	•	•	1	985-124
	Setpoint Positioner. Active setpoint adjustor for setting or limiting a setpoint or positioning signal. For use with a 0 to 10 Vdc signal. Flush mounted.	•	•	•	1	BSG61
	Floating Input Cable, 3 ft. For use with GDE131.1N only	•			Pkg. of 12	985-131
	0 to 10 Vdc Input Cable, 3 ft. For use with GDE161.1N only	•			Pkg. of 12	985-133
	Daisy Chain Cable, 12 ft. For use with GDE131.1N and GDE161.1N only	•			Pkg. of 12	985-134
	Daisy Chain Cable, 25 ft. For use with GDE131.1N and GDE161.1N only	•			Pkg. of 12	985-135







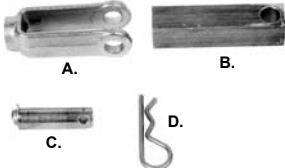


Accessories & Service Kits

	Description	Pneumatic			Quantity	Part No.
		No. 3	No. 4	No. 6		
Pneumatic Nos. 3, 4 & 6						
	Damper Shaft Crank. Adjustable radius, 3/4" (19 mm) to 4-5/8" (117 mm), for 3/8" (10 mm) diameter dampershaft.	•			1	331-805
	Damper Shaft Crank. Selectable radius, 45°, 60°, and 90° angular rotation, for 3/8" (10 mm) to 1/2" (13 mm) diameter damper shaft.	•	•		1	331-941
	• 1/2"				1	331-182
	• 5/8"				1	331-183
	• 3/4"				1	331-181
	Cast Iron Crank and Set Screws. For 1/2" (6 mm) OD shaft.			•	1	333-078
	Crank Kit for 1/2" shaft LC Motor. Includes crank and mounting screws.	•	•	•	1	331-535
	Linkage Kit. 4" (102 mm) link and crank.	•	•	•	1	331-958
	Linkage Kit. 4" (102 mm) rod, ball joint and crank.	•	•	•	1	331-947
	No. 3 Pivot Post Kit.	•			1	331-657

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Damper Actuators







Accessories & Service Kits

	Description	Pneumatic			Quantity	Part No.
		No. 3	No. 4	No. 6		
Pneumatic Nos. 3, 4 & 6						
	Linkage Kit.		•		1	331-671
	No. 3 Pivot Post Kit. For extended shaft mounting plate. • E-ring • Lockwasher • Nut	•			1 2 2 2	331-006
	Frame Mounting Lug Kit. • Screw • Nut	•	•	•	1 2 2	331-004
	Extended Shaft Mounting Plate. May also require pivot post, clevis, crank and miscellaneous mounting hardware. 3" (76 mm) W x 10-1/2" (267 mm) L.	•			1	331-033
	Offset Mounting Bracket. For mounting the universal mounting lug, pivot post, clevis, crank, and miscellaneous mounting hardware.	•	•		1	333-176
	Frame Mounting Lug Kit. For use with Universal Mounting plate (field or manufacturer welded onto damper frame). • Screws		•	•	1 3	331-005
	Clevis. For frame mounting • Forging Clevis (A) • Brass Clevis (B) • Clevis Pin (C) • Hitch Pin (D)	•	•	•	1 1 1 1	331-653 333-207 331-293 331-807
	Universal Mounting Plate. May also require frame mounting lug, pivot post, clevis, crank and miscellaneous mounting hardware. • 3/4" (20 mm) • 1" (25 mm)		•	•	1 1	331-623 331-623A
	Actuator Mounting Bracket.	•	•		1	331-916

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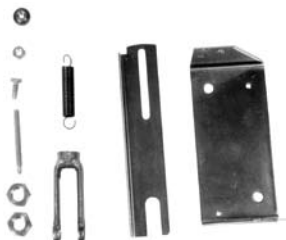
Accessories & Service Kits

	Description	Pneumatic			Quantity	Part No.
		No. 3	No. 4	No. 6		
Pneumatic Nos. 3, 4 & 6						
	Pivot Mounting Kit. Pivot mounting bracket and screws included (3).	•			1	333-148
	Right Angle Mounting Plate. For mounting actuator to floor. <i>Order separately.</i>		•	•	1	333-208
	Remote Mounting Kit. For use with actuator/clevis assembly. Allows connection to damper shaft when damper shaft and actuator pivot post are mounted on different planes. Field fabricated 3/8" (10 mm) diameter push rod not included. Cut to length as needed.		•	•	1	331-618
	Actuator Shaft Extension Kit. Includes push rod, 1/4"-28 ball joint connector, coupling and screws.	•	•		1	331-674
	Actuator Shaft Extension Kit. Includes shaft/clevis adapter (2 required), clevis adapter rod and nuts. Field-assembled actuator shaft extension kit with field fabricated 1/2" NPT threaded pipe (not provided). Threaded female adapters are 1/2"-14 NPT and 3/8"-24 UNS threads.		•	•	1	333-030
	Long Actuator Shaft Extension Rod. 10-1/8" (257 mm)		•	•	1	331-434A

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Accessories & Service Kits

	Description	Pneumatic			Quantity	Part No.
		No. 3	No. 4	No. 6		
Pneumatic Nos. 3, 4 & 6						
	Damper Shaft Extension. 1/2" (13 mm) diameter damper shaft extension rod. Rod is 2-1/4" (57 mm) long.	•	•	•	1	331-631 
	Damper Shaft Extension. 1/2" (13 mm) diameter damper shaft extension rod. Rod is 9" (229 mm) long.	•	•	•	1	333-043-03
	Adapter. For 3/8" (10 mm) diameter damper shafts. Use with 333-042, Shaft Extension.	•	•	•	1	331-632
	Long Shaft Extension. For a 1/2" (13 mm) hollow damper shaft.		•		1	333-184
	Shaft Extension. 1" (25 mm) diameter shaft extension 11-5/8" (295 mm) long for Ruskin dampers. Includes 1" (25 mm) diameter crank and 2 roll pins for assembly.		•	•	1	333-194
	Positioning Relay.	•	•	•	1	147-2000
	Positioning Relay Actuator Mounting Kit. Can also be factory-assembled to extended shaft mounted actuators. If using cast iron crank, it must be replaced with a 331-941 crank. (mfg. after 1/93)	•			1	147-104
	Positioning Relay Mounting Kit.		•		1	147-314

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Accessories & Service Kits

	Description	Pneumatic			Quantity	Part No.
		No. 3	No. 4	No. 6		
Pneumatic Nos. 3, 4 & 6						
	Positioning Relay Mounting Kit.			•	1	147-276
	Flange Bearing. 1/2" (13 mm) damper shaft bearing for universal mounting plate, 331-623		•	•	1	331-862
	Steel Pivot Post. For service replacement only (short length).		•	•	1	331-547
	Steel Pivot Post. For additional clearance (long length) for actuator. Includes steel pivot post lockwasher, nuts (2), and E-rings (2).		•	•	1	333-045
	Actuator Forward Stroke Stop Kit. Adjustable 3" (76 mm) to 4" (102 mm) Field-assembled.		•		1	331-938
	Actuator Forward Stroke Stop Kit. Adjustable 2-3/8" (60 mm) to 4" (102 mm) Field-assembled.		•		1	331-939
	Travel Stop Kit. For field assembly. Reduce travel from 4" (102 mm) down to 2-29/32"(73 mm). For Model 3 only.			•	1	333-197
	No. 4 Cast Aluminum Housing, Standard. Discontinued Part Nos. to 331-2885		•		Pkg. of 5	333-072
	No. 4 Diaphragm for High Ambient Temperature. (Up to 400°F)		•		Pkg. of 5	333-071
	No. 6 Standard Replacement Diaphragm.			•	Pkg. of 5	333-572
	O-Ring Seal Kit. LC Motor only	•	•	•	1	333-056

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