

More selection, more solutions.

Siemens introduces the newly expanded line of OpenAir Electronic Direct-Coupled Damper Actuators with more torque, faster spring returns and more integrated features to save you time in installation, reduce operating costs, and provide unmatched reliability. OpenAir Damper Actuators meet your toughest application needs with the right solutions—even for fire and smoke damper specifications.



GMA/GEB Series — Medium Spring Return/Non-Spring Return

- Outside air dampers
- Mixing boxes
- Return air dampers
- Zone isolation dampers
- Unit ventilators
- Economizer units

GCA/GBB/GIB Series — Large Spring Return/Non-Spring Return

- Outside air dampers
- Rooftop units
- Mixing boxes
- Vortex dampers
- Inlet vane dampers
- Return air dampers
- Zone isolation dampers
- Economizer units

GND/GGD Series

- Smoke dampers
- Combination fire/smoke dampers

Get more. Specify Siemens.

GDE/GLB Series — Small Non-Spring Return

- Terminal units
- Face and by-pass dampers
- Multi-zone mixing boxes
- By-pass damper (VAV)
- Make-up air dampers
- Unit Ventilators



SIEMENS

Building Technologies

OpenAir™ Electronic Direct-Coupled Actuators

www.siemens.com/hvp/components

Building Technologies

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OpenAir™ Electronic Direct-Coupled Actuators

Get more with the complete line of OpenAir Electronic Direct-Coupled Actuators.

Save time. Reduce installation costs and installer training costs.

- Single bolt fastening and direct-coupled connection for fast installations
- Self-centering shaft adapter reduces strain on actuator and equipment.
- Standardized wiring across the entire product line for fast, no mistake startups
- Pre-cabled components in standard or plenum wiring
- Built-in dual adjustable auxiliary switches eliminates the need for labor wasting external switches.
- Indirect mounting accessories for flexibility in mounting
- Web access for selecting, ordering or accessing technical documentation

Save money. Reduce operating costs.

- More torque with models ranging from 44 to 310 lb.-in.
- Higher running and stall torques than the competition
- Lower power consumption for reduced operating costs
- Electronic full stroke overload protects motor.
- Self-centering shaft adapter is more efficient, adapting to shorter shafts and contains mechanical range adjustment capability.

Have confidence in our quality. Experience worry-free operation and long product life.

- Brushless motor technology for long life, reliable operation
- Wide range of operating temps for the most rugged environments
- 100% factory tested
- ISO 9001:2000 certified

Get more. Specify Siemens.

Key

P Plenum cable

U Standard cable

T Terminal strip (no cable)

*Based on 4 lb.-in/ft.²

For more information on OpenAir Electronic Direct-Coupled Actuators, visit our website at: www.sbt.siemens.com/hvp/components.

Control signal	Power supply	Standard model	Feedback potentiometer (1kΩ)	Adjustable start/span	Adjustable start/span with 2 auxiliary switches	Terminal strip (no cable)	2 auxiliary switches	Electronic tandem control
GMA Series 62 lb.-in. for approx. 16 ft. ² * damper area	On/Off, 2-position	24 VAC/VDC	GMA121.1U GMA121.1P				GMA126.1U GMA126.1P	
	On/Off, 2-position	120 VAC	GMA221.1U				GMA226.1U	
	Floating, 3-position	24 VAC/DC	GMA131.1U GMA131.1P	GMA132.1U			GMA136.1U	
	Modulating, 0-10 VDC	24 VAC/VDC	GMA161.1U GMA161.1P		GMA163.1U GMA163.1P	GMA164.1U	GMA166.1U GMA166.1P	
Modulating, 2-10 VDC/10-2 VDC Signal inversion capability	24VAC/DC	GMA151.1U GMA151.1P				GMA156.1U GMA156.1P		
GCA Series 142 lb.-in. for approx. 36 ft. ² * damper area	On/Off, 2-position	24 VAC/DC	GCA121.1U GCA121.1P				GCA126.1U GCA126.1P	
	On/Off, 2-position	120 VAC	GCA221.1U				GCA226.1U	
	Floating, 3-position	24 VAC/DC	GCA131.1U GCA131.1P	GCA132.1U GCA132.1P			GCA136.1U GCA136.1P	
	Modulating, 0-10 VDC	24 VAC	GCA161.1U GCA161.1P		GCA163.1U GCA163.1P	GCA164.1U GCA164.1P	GCA166.1U GCA166.1P	GCA161.1P/MAS GCA164.1P/MAS GCA161.1P/SLA
Modulating, 2-10 VAC/10-2 VDC Signal inversion capability	24 VAC/DC	GCA151.1U GCA151.1P				GCA156.1U GCA156.1P		
GND Series 53 lb.-in. for approx. 12 ft. ² * damper area 15 sec. Run Time	On/Off, 2-position	24 VAC/DC	GGD121.1U				GND126.1U	
	On/Off, 2-position	120 VAC	GGD221.1U				GND226.1U	
	On/Off, 2-position	230 VAC	GGD321.1U				GND326.1U	
	UL listed smoke dampers or combination fire/smoke rated dampers							
GGD Series 142 lb.-in. for approx. 36 ft. ² * damper area 15 sec. Run Time	On/Off, 2-position	24 VAC	GND121.1U					
	On/Off, 2-position	115 VAC	GND221.1U					
	On/Off, 2-position	230 VAC	GND321.1U					
	UL listed smoke dampers or combination fire/smoke rated dampers							

Control signal	Power supply	Standard model	Feedback potentiometer (1kΩ)	Adjustable start/span	Adjustable start/span with 2 auxiliary switches	Terminal strip (no cable)	2 auxiliary switches	Electronic tandem control
GDE Series 44 lb.-in. for approx. 11 ft. ² * damper area	Floating, 3-position	24 VAC	GDE131.1U GDE131.1P	GDE132.1P			GDE136.1U	
	Modulating, 0-10 VDC	24 VAC	GDE161.1P		GDE163.1P GDE164.1P	GDE161.1T GDE161.1T	GDE166.1P	
GLB Series 88 lb.-in. for approx. 22 ft. ² * damper area	Floating, 3-position	24 VAC	GLB131.1P	GLB132.1P			GLB136.1P	
	Modulating, 0-10 VDC	24 VAC	GLB161.1P		GLB163.1P GLB164.1P		GLB166.1P	
GEB Series 132 lb.-in. for approx. 32 ft. ² * damper area	Floating, 3-position	24 VAC	GEB131.1U GEB131.1P	GEB132.1U			GEB136.1U	
	Modulating, 0-10 VDC (or 2-10 VDC selectable)	24 VAC	GEB161.1U GEB161.1P		GEB164.1U			
GBB Series 221 lb.-in. for approx. 44 ft. ² * damper area	Floating, 3-position	24 VAC	GBB131.1U GBB131.1P	GBB132.1U GBB132.1P			GBB136.1U GBB136.1P	
	Modulating, 0-10 VDC	24 VAC	GBB161.1U GBB161.1P		GBB163.1U GBB163.1P	GBB164.1U GBB164.1P	GBB166.1U GBB166.1P	
GIB Series 310 lb.-in. for approx. 77 ft. ² * damper area	Floating, 3-position	24 VAC	GIB131.1U GIB131.1P	GIB132.1U GIB132.1P			GIB136.1U GIB136.1P	
	Modulating, 0-10 VDC	24 VAC	GIB161.1U GIB161.1P		GIB163.1U GIB163.1P	GIB164.1U GIB164.1P	GIB166.1U GIB166.1P	

Rotary to linear kit	Rotary to linear kit w/mounting bracket	Floor mount kit	Frame mount kit	Oversized shaft adapter (to 1.05")	½" NPT conduit adapter bracket	Tandem mount bracket/ Elec. Tandem	Tandem bracket modulating control	Weathershield	Weathershield & Heater
ASK71.13	ASK71.14	ASK71.11	ASK71.11					ASK75.3U	985-107
Accessories shown are valid for the entire series.									
ASK71.3	ASK71.4	ASK71.1U	ASK71.2U	ASK74.1U	985-008P20	ASK73.1	ASK73.2U	ASK75.1U	985-106
Accessories shown are valid for the entire series.									
					985-035P25				
					985-008P20				
Accessories shown are valid for the entire series.									

ASK71.5	ASK71.6	ASK71.6	ASK71.6	ASK76.1U ASK76.1UP20					
Accessories shown are valid for the entire series.									
ASK71.5	ASK71.6	ASK71.6	ASK71.6	ASK76.1U ASK76.1UP20					
Accessories shown are valid for the entire series.									
ASK71.13	ASK71.14	ASK71.11	ASK71.11					ASK75.3U	985-107
Accessories shown are valid for the entire series.									
ASK71.3	ASK71.4	ASK71.1U	ASK71.2U	ASK74.1U	985-008P20			ASK75.1U	985-106
Accessories shown are valid for the entire series.									
ASK71.3	ASK71.4	ASK71.1U	ASK71.2U	ASK74.1U	985-008P20	ASK73.1		ASK75.1U	985-106
Accessories shown are valid for the entire series.									

Siemens	Belimo®	Johnson	Honeywell
GMA121.1U/P	LF24	M9206AG	ML8185
GMA221.1U	LF120		
GMA131.1U/P	LF243	M9206GG	ML6185
GMA161.1U/P	LF24SR	M9206GG	ML7285
GCA121.1U/P	AF24	M9216AG	ML8465
GCA221.1U	AF120		ML4195
GCA131.1U	AF243	M9216AG	ML6195
GCA161.1U/P	AF24SR	M9216AG	ML6195
GCA151.1U/P	AF24SR	M9216HG	ML7295
GND121.1U			ML8115B
GND221.1U			ML4115B
GND321.1U			—
GGD121.1U			ML8105A/B
GGD221.1U			ML4105A/B
GGD321.1U			ML4105C/D
GDE131.1U/P	LM24	M9104AG	ML6161
GDE161.1P	LM24SR	M9104GG	ML7161
GLB131.1P	NM24	M9108AG	ML6174
GLB161.1P	NS24SR	M9108GG	ML7174
GEB131.1U	AM24	M9116AG	ML6184
GEB161.1U	AM24SR	M9116AG	ML7284
GBB131.1U/P	SM24	M911AG	ML6184
GBB161.1U/P	AM24SR		ML7284
GIB131.1U/P	GM24	M9124GG	ML6194
GIB161.1U/P	GM24SR	M9124GG	ML7294

SPRING RETURN FEATURE

NON-SPRING RETURN FEATURE

SPRING RETURN ACCESSORIES

NON-SPRING RETURN ACCESSORIES

COMPETITIVE CROSS REFERENCE