

SIEMENS

OpenAir™ GGD Electronic Damper Actuator

Designed for UL Listed Fire/Smoke and

Smoke Control Dampers

2-Position, 15-second Runtime

15-second Spring Return Time



Product Numbers

Table 1.

Type	Rotation	Shaft Adapter	24 Vac	115 Vac	230 Vac
Standard	95°	Self-centering	GGD121.1U	GGD221.1U	GGD321.1U

Specifications

Power supply

Operating voltage	24 Vac $\pm 20\%$ 115 Vac $\pm 15\%$ 230 Vac $\pm 10\%$
Frequency	50/60 Hz
Power consumption	
running	150 VA
holding	10 VA

Function

Running torque	142 lb-in (16 Nm)
Spring return torque	108 lb-in (12 Nm)
Minimum stall torque	350 lb-in (39 Nm)
Torque reduction at elevated temperature	Less than 10%
Runtime for 90°	
operating with motor at 60 Hz	15 seconds nominal
closing (on power loss) with spring return	15 seconds maximum
Nominal angle of rotation	95°

Mounting

Damper shaft size	
Standard	3/8 to 1 inch (8 to 25.6 mm)
Oversize	1.05 inch max (26.6 mm)
Minimum shaft length	3/4-inch (20 mm)

Housing

Enclosure	NEMA 1
Material	Die cast aluminum alloy

Ambient conditions

Ambient temperature	
operation	0 to 130°F (-18 to 55°C) One time 350°F (177 °C) for 1/2 hour (per UL555S)
storage and transport	-25 to 158°F (-32 to 70°C)
Ambient humidity (non-condensing)	Maximum 95% R.H.

Agency certification

UL listed to UL873
C-UL certified to Canadian standard
C22.2 No. 24-93

Accessories

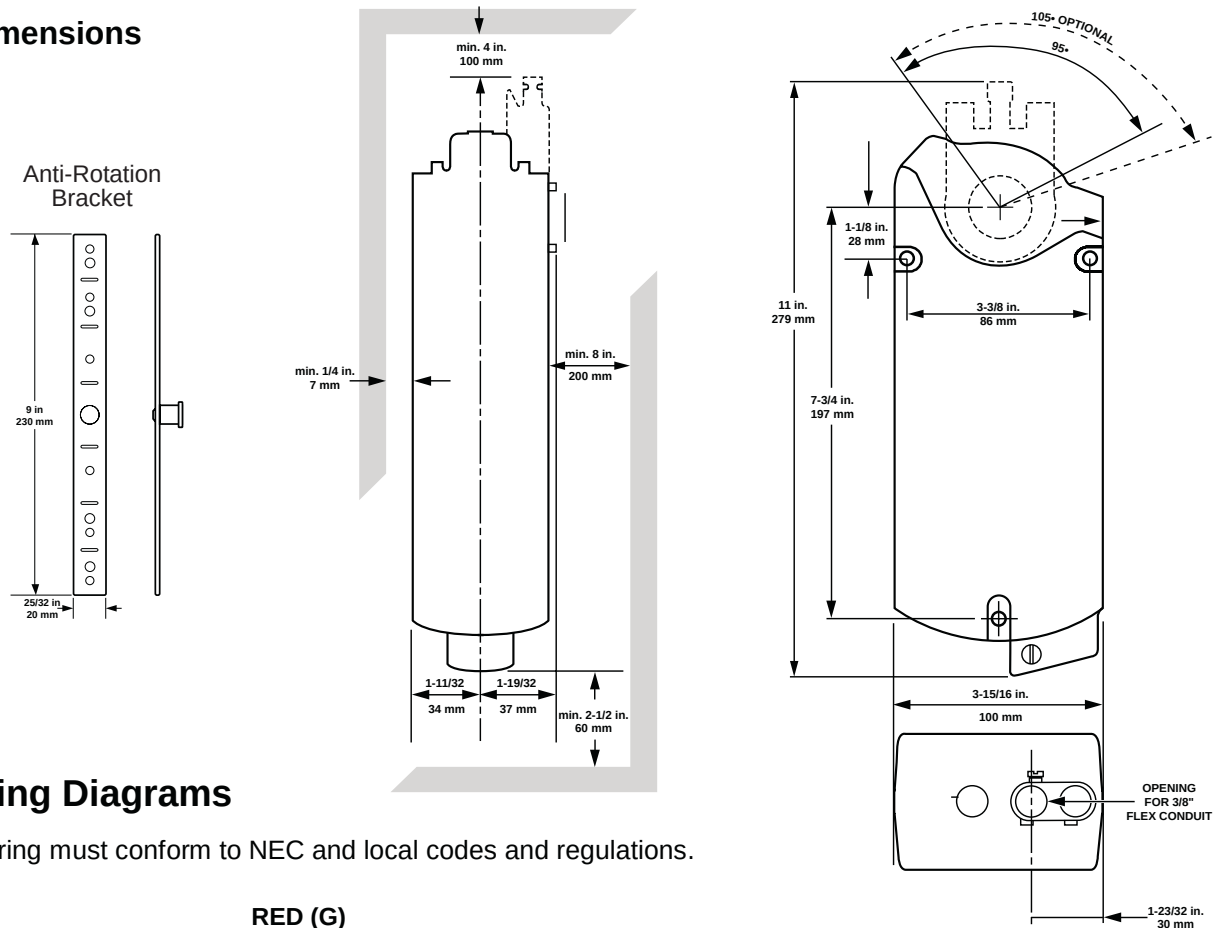
EA0500R1



985-006 Anti-rotation (mounting) bracket.

GGD-XXX-ELECTRONIC - 02-05

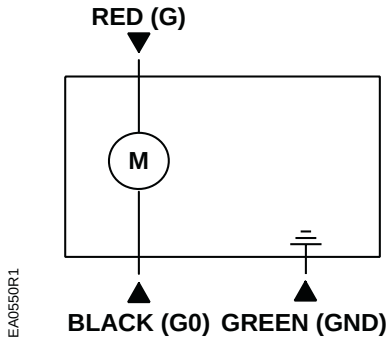
Dimensions



Wiring Diagrams

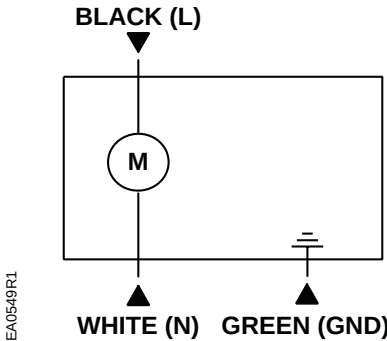
All wiring must conform to NEC and local codes and regulations.

24 Vac



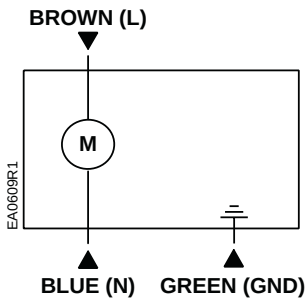
Function	Color
Supply (SP)	Red
Neutral (SN)	Black
Ground	Green

115 Vac



Function	Color
Line	Black
Neutral	White
Ground	Green

230 Vac



Function	Color
Line	Brown
Neutral	Blue
Ground	Green