

. . . INTEC - GRUNER G Direct Coupled, Electric Actuators

Compatible with electric or electronic control,
DDC/PLC control and building automation systems

- Control signals
 - Selectable ranges:
 - 0-10 VDC, 2-10 VDC
 - 0-20 mA, 4-20 mA
 - Tri-state/3-point floating
 - Two-position



- Feedback positioning
 - 0(2)-10 VDC
 - Optional:
 - 1K Ω potentiometer
 - 1 or 2 adj. aux. SPDT switches



- Power supply
 - 24 VAC/VDC
 - 120 VAC & 230 VAC for SR-on/off



- LonWorks[®] digital communication

LONWORKS[®]
ECHELON[®]



certified
ISO 9001



Direct coupling to any shaft

- Universal adjustable V-clamp
- Manual override, push-button, or crankarm for spring return
- Visual position indicator
- External CW/CCW selector
- 3 ft. cable, coded
- Conduit connector

Actuators for:
Dampers,
Shutters,
Ball- and
Butterfly Valves

GA... Series



- Available actuator sizes, to
 - Non-spring return:

45 in-lb	(11 sqft)
70 in-lb	(18 sqft)
135 in-lb	(34 sqft)
180 in-lb	(45 sqft)
300 in-lb	(75 sqft)

- Spring return (motor/spring return):

45/36 in-lb	(9 sqft)
135 in-lb	(34 sqft)

- Fast rotation, 0-90° (non-spring return):

45 in-lb	(11 sqft)	20-35 sec.	
70 in-lb	(18 sqft)	3-5 sec.	"very speedy"
20 in-lb	(5.4 sqft)	0.9-1.2 sec.	"very speedy"

Proven reliability

- State-of-the-art board design
- Minimum 60,000 full operations, including safety strokes, for mechanical spring return
- 50 years experience with mechanical gearboxes

INTEC Controls provides compatible quality controls, peripherals and interface devices to the HVAC Controls, Energy Management and Building Automation markets.