



Universal Electric Actuator

2001 SERIES

GAC's ACB2001 actuator is a rotary output, 24V, linear torque proportional electric servo designed for mechanical actuation of fuel system control levers requiring torques in the 5 ft-lb range. Energized by GAC's ESD5300 Series speed control units, the actuator is capable of 35 degrees of rotation with torques as high as 12 ft-lb. Internal springs provide fail safe operation by forcing the actuator to the fuel shut off position when the actuator is de-energized. Since the design has no sliding parts, and is totally sealed, its reliability is outstanding and no maintenance necessary. Engine applications include large block pumps, dual medium carburetors, and some large size carburetors.



FEATURES

- Rapid Response to Transient Conditions
- Multiple Mounting Positions
- CW & CCW Shafts Available
- Same High Performance Anti-Corrosive Grease (Lubriplate SYNXTREME HD-2 TM) Used in the ATB Series **NEW**
- Universal Design
- Internal Return Spring



Lubriplate[™] SYNXTREME HD-2 is a Trademark of "Lubriplate"

SPEED CONTROLLERS

	24VDC	12.0 ft-lb MAX TORQUE	35° ROTATION	HEAVY DUTY BEARINGS
ACB2001	●	●	●	
ACB2001-HP	●	●	●	●

Feedback and Mechanical Indicator Position Available Upon Request

SPECIFICATIONS

Performance

Available Torque	Max 12 ft-lb (16.3 Nm)
Maximum Angular Travel of Shaft	35° ±1° CW/CCW

Power Input

Operating Voltage	Nominal 24 VDC
Normal Operating Current	Up to 5 Amps
Maximum Stall Current (Short Duration)	Up to 12 Amps

Environmental

Operating Temperature Range	-65° to +200 °F (-55° to +95 °C)
Relative Humidity	up to 100%
All Surface Finishes	Fungus Proof and Corrosion Resistant
Vibration	Up to 20 G, 50 - 500 Hz

Physical

Dimensions	Approx. 10.69 in x 5.38 in x 5.24 in (271.5 mm x 136.7 mm x 133.0 mm)
Weight	30 lb. (13.6 kg)

Accessory



SPEED CONTROLLERS

ESD5300 Series Analog Speed Control



The electronic ESD5300 Series speed control delivers a quick and precise response to transient load changes. When coupled with a proportional electric actuator and a magnetic speed sensor, the ESD will control a wide variety of engines operating in an isochronous, variable, or droop mode. Armed with high quality components, the ruggedly designed ESD will endure the harshness of any industrial engine environment.

- Enhanced Start Circuit for Large Bore Engines (ESD5340 Only)
- Two Element Speed Switch
- Starting Fuel Control
- Variable Speed Governing
- Speed Ramping

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