



Pump Mounted Actuator

175 SERIES

For Bosch-Style 'P' Pumps

GAC's 175 Series Pump Mounted Actuators are field proven proportional actuators mounted directly to fuel injection Bosch-style "P" pump, creating an integrated proportional servo fuel package. Benefiting from sealed components and no sliding parts, the design demonstrates outstanding reliability with no maintenance required. The availability of numerous options and mounting kits renders GAC's versatile design adaptable to a wide range of fuel pumps.



FEATURES

- Fast Response < 35 msec (10 - 90 %)
- Connects Directly to Injection Pump In Place Of Mechanical Governor
- Right-Hand Rack
- Adjustable Fuel Limits
- Manual Shut-Off Mechanism Available

SELECTION CHART

	12 VOLT	24 VOLT	WITH SHUT-OFF LEVER	WITHOUT SHUT-OFF LEVER	WITH MATING CONNECTOR	WITHOUT MATING CONNECTOR
ADD175-12	●			●		●
ADD175-24		●		●		●
ADD175A-12	●		●			●
ADD175A-24		●	●			●
ADE175-12	●			●	●	
ADE175-24		●		●	●	
ADE175A-12	●		●		●	
ADE175A-24		●	●		●	

ACCESSORIES



CH1215

CH1215 Packard - 6' Actuator Mating Half
EC1300 Packard - Electric Actuator / Mating Half Connector

Mating Connector & Cable Harness

KT175-RS-R Adaptor Kit - Bosch "A" Pump

Adaptor Kit

Installation Kits

KT153 Installation Kit - Motorpal Pump
KT283 Installation Kit - ASIMCO Pump
KT289 Installation Kit - Bosch Governor Only



KT283

SPECIFICATIONS

Performance

Force	6.2 ft-lb (27.5N)
Operating Stroke	0.80 in (21mm)
Response Time (10-90% 2-19mm)	35 msec
Internal Sealing Pressure	2 bar (29 psi)

Environmental

Operating Temperature	-40° to 95°C (-40° to +200°F)
Relative Humidity	up to 100%
Vibration	20G, 20 - 500 Hz
Shock	20 G @ 11msec

Input / Output

Operating Voltage	12 VDC or 24 VDC
Coil Resistance	1.7 ± 0.2 Ohms (12 VDC Version) 7.2 ± 0.5 Ohms (24 VDC Version)
Nominal Operating Current	4.0 A (12 VDC Version) 2.0 A (24 VDC Version)
Maximum Current	5.8 A (12 VDC Version) 3.1 A (24 VDC Version)

Physical

Dimension	Approx 4.25in x 4.63in x 6.77in (106.0mm x 117.6mm x 171.9mm)
Weight	4.75 lbs. (2.2 kg)

OPTIONS

ESD5500E Series Analog Speed Controls



- Speed Ramping
- Starting Fuel Control
- Enhanced Droop Control
- Fully Adjustable PID & Idle Adjustment

The electronic ESD5500E Series speed control unit 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 or droop mode. Armed with high quality components, the ruggedly designed ESD will endure the harshness of any industrial engine environment.

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