

Pump Mounted Actuator

103 SERIES

The 103 Series Integral Actuator is a field-proven proportional actuator designed to mount directly to the Delphi DPG/ DP210 Pump. No external linkage or brackets are required to install this actuator. When de-energized the 103 Series electric actuator provides the function of the fuel-shut-off solenoid. This is accomplished by an internal spring that returns the fuel-metering valve linkage to the no fuel position when the actuator is de-energized.



FEATURES

- A Low-Cost Integral Actuator
- Easy Installation With Minimal Setup Time
- Proven Electromechanical Design with High Reliability
- Fast Response (<45 msec)
- Environmentally Sealed, All Metal Design
- Increased Operational Integrity and Security

SELECTION CHART

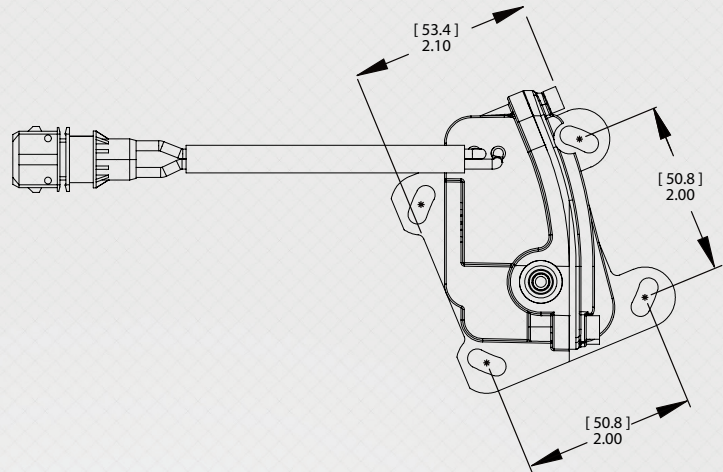
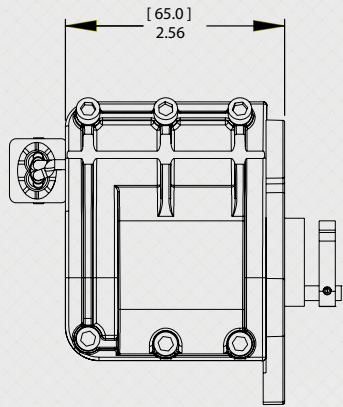
	12 Volt	24 Volt	Packard Connector	Mating Connector	Mating Connector Harness
ADD103B-12	•		•	•	
ADD103B-24		•	•	•	
ADE103B-12	•		•		•
ADE103B-24		•	•		•

ACCESSORIES



Cable Harness
CH1215 6' Actuator Mating Half - Packard Connector

DIMENSIONS



SPECIFICATIONS

Electrical

Operating Voltage	(B-Series)	12 or 24 VDC
	(L-Series)	12 VDC
Normal Operating Current	(B-Series)	1.9 A at 12 VDC 1.5 A at 24 VDC
	(L-Series)	1.3 A at 12 VDC
Maximum Current-Continuously Rated	(B-Series)	2.7 A at 12 VDC 1.9 A at 24 VDC
	(L-Series)	1.8 A at 12 VDC

Environmental

Operating Temperature Range	-40° F to +180° F (-40° C to +83° C)
Relative Humidity	up to 100%
Vibration	±4 G @ 25 - 100Hz
Shock	20G, 11 msec
Agency	RoHS Compliant

Physical

Dimensions	See Above
Weight	1.0 lb (0.45 kg)
Mounting	(B-Series) Directly to Delphi Type DPG / DP210G
	(L-Series) Customer Specific Pump

Reliability

Testing	100%
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Mating Hardware

Mounting Hardware and O-Ring	All Models
Packard Mating Connector	ADD103B
Customer Specific JD Mating Connector	ADD103L

OPTIONS

ESD2402 Analog Speed Control



- Idle Speed Adjustment
- Light Force
- Isochronous Operation
- Hard Potted

The electronic ESD2402 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. Equipped with high quality components, the ruggedly designed ESD will endure the harshness of any industrial engine environment.

Governors America Corp.
720 Silver Street Agawam, MA 01001
Phone: 413.233.1888 Fax: 413.789.7736
www.governors-america.com
info@governors-america.com