

Integral Governor System Stanadyne D series - G3

Description

The Woodward L-series-based, integral governor system is the best performing solution to electrically govern diesel engines with a mechanical Stanadyne D series fuel pump. No more separate panel-mounted controller box is needed.

The original mechanically governed system is easily upgraded where closer governor regulation, fuel efficiency, and increased engine performance is required. No internal parts of the injection pump need to be added or replaced. The system is easily installed on top of the fuel pump, in place of the governor cover.

The L-series integral governor can be used to replace the

- Woodward ST-125
- Barber Colman DYNC-70025
- Woodward DC70025
- GAC ADC100

Two models are available, depending on the side of the engine the pump is situated. RH model is mainly required for some Iveco engines.

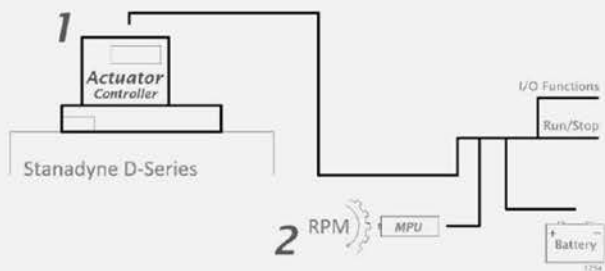


Two models available: Left hand (left) and right hand (right)

Stanadyne pump compatibility (models)

DB	JDB	DC	DB2	DB4	DM2	DM4
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2-Component System (G3)

Features	Diagram
<ul style="list-style-type: none"> • Maximize fuel efficiency • Improve engine performance • Low-cost 2-component engine control • Easy setup and tuning • Live monitoring • Discrete output driver for fault indication • Application configurable I/O • Isochronous load sharing 	

System Components

3 rd Generation Stanadyne system (L-series)	Left Hand	Right Hand
Governor (with integrated actuator and controller)	GovernorR Standyne LH	GovernorR Stanadyne RH
Speed Sensor (mpu)	Depending on engine type; ask for advice on compatible speed sensors.	

Setup configuration and parameters

- | | |
|---|---|
| <ul style="list-style-type: none"> • Target speed & speed range • 50/60 Hz isochronous • 2 or 3 speed • Cold start timer • Start fuel limiter • Biased fuel limiter • Adjustable max fuel stop | <ul style="list-style-type: none"> • Droop • Load sharing • Dual dynamics • 0-5V throttle position indication • 4 Aux inputs, configurable functions • Discrete output for fault indication (I/O) |
|---|---|

Integral Governor System

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Accessories (mechanical) 0448M

Contents		
Install Kit 70025 CTE-III	Stanadyne gasket, fuel return o-ring & mounting bolts (hex)	
ST125-RF	Complete ST125 retrofit kit (includes GovernorR Stanadyne LH, all conversion hardware, connector kit (pre-wired). Setup Tool to be ordered separately	

Accessories (electrical)

Contents		
ConnectorKit C0448M (12P)	L-series mating connector kit with housing, terminals, lock and cavity plugs	
ConnectorKit C0450M (12P)	As above, but all pins pre-wired 25 cm min.	

Set-up and communication

Contents		
Setup Tool Lseries CTE-III	Calibration software, installation manual, communication cables (breakout), & interface module	
Setup Tool Lseries CTE-II	Communication cables (breakout), & interface module	

Technical Specifications

Operating voltage	10 – 32 Vdc
Operating temperature	-40 to 125 °C
Dimension (WxHxL), actuator only	76x89x112 mm
Sealing	IP56 (EN60529)
Weight	425 gram
Vibration	5G 2,5mm PP, 5-2k Hz, 3 h/axis, 90 min dwells
Connector	12 Pin Deutsch
Speed signal input	10 to 12k Hz, >1Vrms

Compliance: Directive 89/336/EEC, CSA (Class I, Division 2, Group A, B, C, D, T3C), Directive 98/37/EC.