Woodward UG-25

REPLACEMENT FOR RE 1100 SERIES, UG8 AND 3161 GOVERNORS
Introduction
The Woodward UG-25+ is a drop-in replacement for RE 1100 series, UG-8 and 3161 governors running on a wide range of engines, combining all the advantages of a traditional mechanical governor with state-of-the-art control algorithms for optimal engine operation.

Description
Enhanced control capabilities, such as start fuel and boost limiting schemes, are an integral part of the UG-25+ governor. The additional transient fuel limiting (jump-rate) improves the engine’s acceptance of load swings and reduces smoke significantly.

The UG-25+ offers speed control with software-selectable speed setpoints, dynamic performance, fuel limiting and start behaviour.

Interfacing
Front panel as well as external speed settings make synchronization and load sharing easy for generator applications while a 4 to 20 mA speed setting is available for variable speed applications. Adjustable droop permits load division and balancing among parallel operated prime movers. Droop and governor output limit can each be set with a knob on the front panel.

Conversion
Under normal circumstances and with help of the crew (test possibilities) Turner ECS can perform the conversion from RE 1100 series, UG8 or 3161 governor to UG-25+ in one day.

ADVANTAGES
• Marine listing
• No gaskets issues
• Lower maintenance and overhaul costs
• Diagnostics for easy troubleshooting
• Multiple fuel limiters
• Visible smoke reduction
• Integrated speed sensor
• No booster required
• Governor status indication
• Discrete & analogue speed setting

MATERIALS REQUIRED FOR CONVERSION
• Governor
• Lever
• Field cable
• Relays
• Circuit breaker
• Terminals
• DIN rail
• Isolator
Examples of UG-25+ upgrades performed by Turner ECS

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LSTK Projects, Retrofits & Upgrades
Turner ECS delivers reliable retrofit solutions for a wide range of prime movers and other applications. This includes lump sum turnkey projects on turbines and compressors.

Genuine Parts & Service Exchange
Turner ECS has the largest stock of parts, service exchange governors and electronics in Europe and can provide a fast turnaround service.

Product Training
Turner ECS can provide official Woodward product training covering both theoretical and practical training on a wide range of Woodward products.

Electronic Repair & Mechanical Governor Overhaul Service
Turner ECS provides a comprehensive overhaul and repair service for electronic, mechanical and hydraulic governors.

World Wide Field Service
Turner ECS field service engineers and technicians provide comprehensive solutions for commissioning and on-site repair.

Service Contracts
Turner ECS provides long term service contracts to support users with Woodward governors and/or control products and electronic control systems.

ROTATING EQUIPMENT CONTROL SOLUTIONS DELIVERED ACROSS EUROPE & THE MIDDLE EAST

Turner ECS is an official Woodward Channel Partner with offices located in:

- The Netherlands
- England
- Germany
- Italy (Turner MCS)
- Saudi Arabia
- Qatar
- Abu Dhabi

Turner ECS also operates and manages an extensive network of official agents throughout Europe & the Middle East

CONTACT INFORMATION

Turner Engine Control Solutions B.V.
Dirk Storklaan 76
2132 PX Hoofddorp
The Netherlands

Mail: sales@turner-ecs.com
Tel: +31 (0) 23 566 23 00
Fax: +31 (0) 23 564 27 27
Web: www.turner-ecs.com