

June 2020

Woodward UG-25⁺

Enhanced replacement for Woodward UG8 and 3161 as well as non-Woodward governors



Woodward UG-25+ | Enhanced replacement for Woodward UG8 and 3161 as well as non-Woodward governors



Introduction

The Woodward UG-25+ is a drop-in replacement for UG-8 and 3161 as well as non-Woodward 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 UG8, 3161 or a similar 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

Woodward UG-25+ | Enhanced replacement for Woodward UG8 and 3161 as well as non-Woodward governors

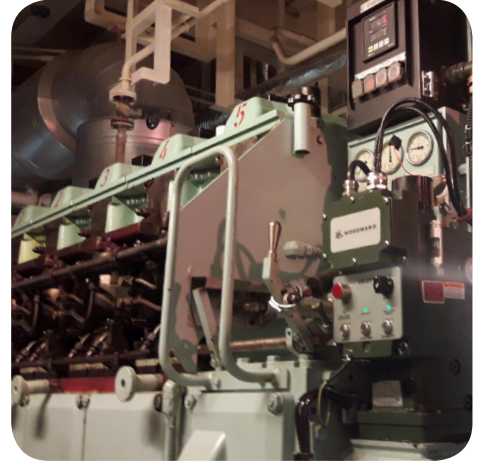
Examples of UG-25+ upgrades performed by Turner ECS



Mirrlees Blackstone 80G



Wärtsilä 8L20



Hyundai Himsen H21/32



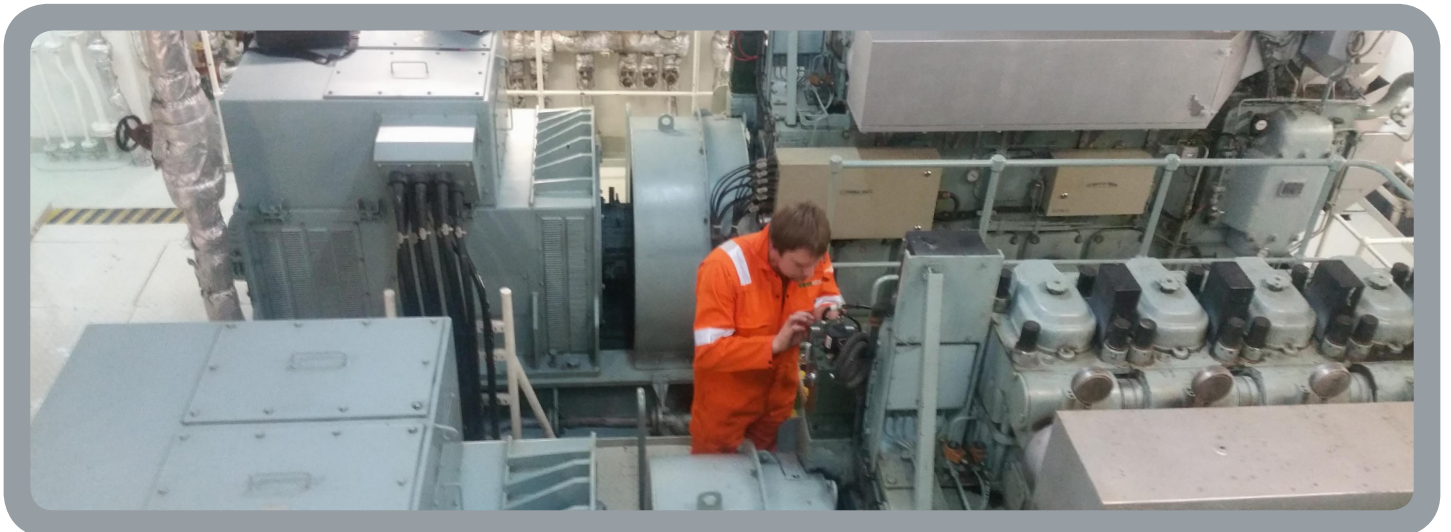
ABC 6-MDZC



Yanmar 6EY22



Mitsubishi S6U



Turner Range of Services

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
- Abu Dhabi
- Qatar
- Saudi Arabia

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

