Regulateurs Europa
Member of the HEINZMANN Group

DG 2800.14

DATA SHEET

Description

The DG 2800.14 governor is a microprocessor controlled hydraulic governor for diesel or dual-fuel engines and steam turbines.

It consists of the well proven REGULATEURS EUROPA 2800 series actuator and the HEINZMANN digital DC 14 governor.

The digital governor controls the proportional solenoid of the actuator by means of a current signal.

The DG 2800.14 includes an integrated speed pick-up, however if required an external pick-up can be connected.

The DC 14 digital governor provides state-of-the-art speed control (steady state speed wander < 0.1 % at nominal speed), start fuel limit and functionality typical for generator application, including isochronous load sharing (optional).

The software allows to set the gear ratio between crankshaft and governor drive. In this way all speed related settings in the software refer to “engine rpm”.

The DC 14 digital governor is set-up with the user-friendly interface program DcDesk. Also 20 selectable parameters can be edited using the unit’s key pad and display (password protected).

Application range

- Medium-speed diesel engines
- Dual-fuel engines
- Steam turbines

Certificates

Marine certification: DNV GL, ABS

Features

- Hydraulic actuator with integrated electronic governor
- Compact size envelope
- Fully interchangeable with UG range governors
- Low maintenance
- High reliability
- Self-contained oil supply
- Serrated or keyed drive shafts available

Monitoring

- All alarms result in the common alarm output
- All analogue inputs supervised
- Pick-up supervised

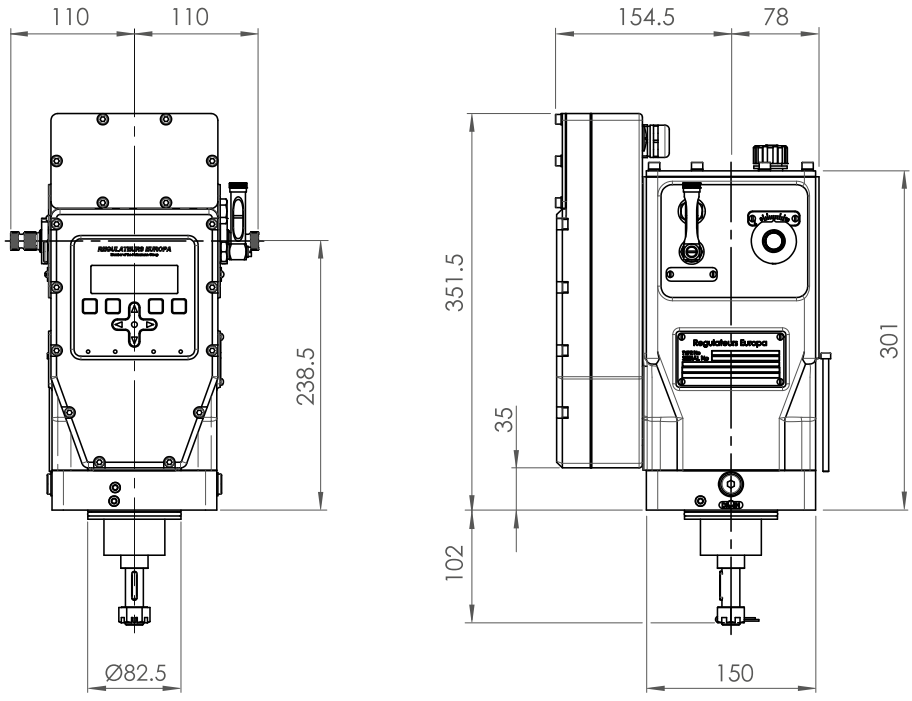
Specifications

Power supply	2× redundant supply inputs with failure alarm, 18 ... 32 VDC, 24 VDC nominal
Power consumption	max. 1.5 A
Digital inputs	7× active high or active low, isolated, with common ground or supply, functionality configurable via software
Analogue inputs	3× 4 ... 20 mA 1× 0 ... 5 VDC or PWM, isolated, with common ground, functionality configurable via software
Digital outputs	2× 24 VDC max. 100 mA, isolated, with common ground, functionality configurable via software
Analogue outputs	1× 4 ... 20 mA, isolated, functionality configurable via software
Speed pick-up	Fitted in the actuator, provision to connect an external speed pick-up instead is available, pick-up supply 12 VDC

Communication	CAN bus 2.0B ISO 11898 RS-232 9-pole sub-D connector for programming
Configuration tool	HEINZMANN DcDesk
Ambient temperature	-40 ... +70 °C
Degree of protection	IP65
Speed control accuracy	≤ 0.1 % steady state at nominal speed
Work output nominal	15 ft lbf (29.5 joules)
Torque (increase fuel)	24.4 ft lbf. (35.5 Nm)
Torque (decrease fuel)	17.3 ft. lbf (23.9 Nm)
Output shaft angular	movement
Output shaft	5/8 inch 36 SAE serrations or 3/4 inch 48 SAE serrations
Drive speed	300 ... 2000 rpm
Direction of rotation	either
Weight	approx. 30 kg

All connections by means of screwless terminals.

Dimensions



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