EG2000

Universal Electronic Engine Governor Controller with

Smoke Limiting, & Idle Speed. Works with Built-in & Non-Built-in PTs Pumps, also can be used with Low Current, Electric over Hydraulic Oil Pumps Type Governor Actuators

Features

- Works on a wide ranges of MPU/flywheel frequencies
- 15Amp Max Output
- Suitable for all types of diesel and Gas engines
- High Sensitivity and stable at Low Frequency Variations
- Moisture, vibration, and rust protected, Epoxy encapsulated electronics
- For Use With Isochronous Generators & Automatic Paralleling PLC controls
- Idle Speed Adjustment and connections for a Remote Speed POT



Specifications

Operating Voltage 10 VDC to 30 VDC

Output Current From 0.5 Amp to 15 Amp

Frequency Range 600 Hz ~ 9500 Hz (PMG signal)

Idle Speed Frequency Adjustable from 30~85% of normal

Speed Band $\pm 0.25\%$ at steady state

Temp. Stability Between -40~85 $^{\circ}$ C better than $\pm 0.5\%$

Remote Speed Adjustment Range (2 mode)

Adjustable range $\pm 5\%$ with 5 K Ω potentiometer

Ramp Time 3 to 20 sec. (Adjustable)

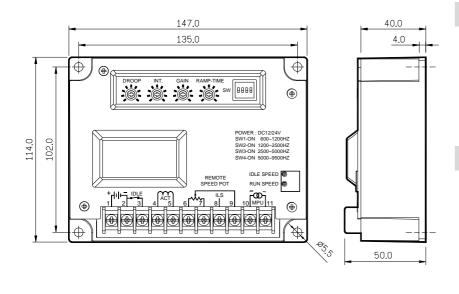
Dimensions 147.0 (L) x 114.0 (W) x 40.0 (H) mm

Weight 690 g ±2%

Environment

Operation Temperature $-40 \sim 85 \,^{\circ}\text{C}$ Relative HumidityMaximum 95%Storage Temperature $-40 \sim 85 \,^{\circ}\text{C}$ Vibration $3G \,@ \,100 \sim 2 \,\text{KHz}$

Mechanical Specifications (Unit: mm,



DIP Switch Description

 SW1
 ON
 600~1200Hz

 SW2
 ON
 1200~2500Hz

 SW3
 ON
 2500~5000Hz

 SW4
 ON
 5000~9500Hz

Governor Controls

IDLE

DROOPDroop rate AdjustmentGAINMPU Output Gain AdjustmentInt.Engine Stability AdjustmentRAMP-TIMESoft Start AdjustmentSPEEDSpeed Adjustment

Idle Speed Adjustment



