

EG4016

Digital Generator Governor Controller

Easy to install without use of a Magnetic Pickup unit (MPU)

Features

- Senses generator frequency, no magnetic pickup (MPU) is required
- Applicable to all types of gas and diesel generator engines
- Supports External, Internal, and PT Pump mounted types actuators
- SPEED, GAIN, DIF potentiometers for easy adjustment
- Idle & Speed Controls through the connection of an external potentiometer
- Selectable functions of Engine Speed Ramping or Immediate Start
- Loss Sensing, Overspeed, and actuator short circuit protections
- Applicable for 12V/24V operating voltage with reverse polarity protections
- Internal electromagnetic interference filtering
- Moisture, vibration, and rust protected, epoxy encapsulated electronics



Specifications

Operating Voltage	10 to 32 Vdc	Steady State Speed Band	+/-0.25% (with stable load)
Reverse Voltage Protection	Max. -50 Vdc	Idle Speed Frequency	25 Hz @ 50 Hz
Output Current	Continuous 9A, Max. 15A for 10 seconds		30 Hz @ 60 Hz
Sensing Input Voltage Range	1 to 600 Vac	Temperature Drift Frequency Range	0.1 Hz @ -40 to +80 °C
Sensing Frequency Range	5 to 100 Hz	External Frequency Control	+/-2 Hz 5K ohms 1 Watt potentiometer
EMI Suppression	Internal electromagnetic interference filtering	Static Power Dissipation	Min. 120 mA @ 12 Vdc Min. 60 mA @ 24 Vdc

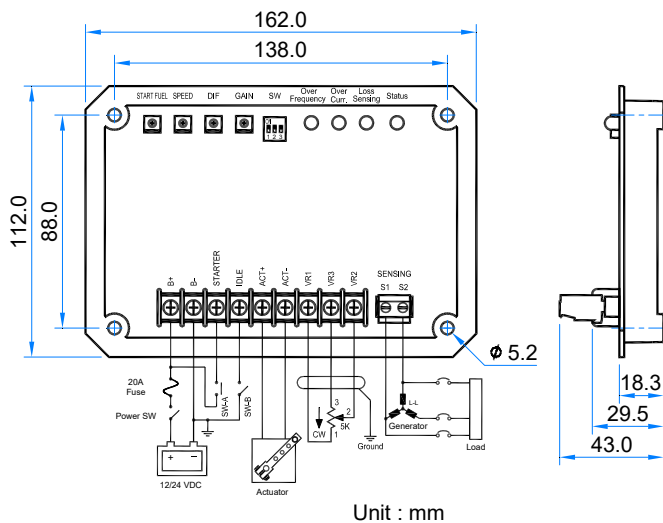
DIP Switch Description

	OFF	ON
SW1 Actuator types	External or Internal mount	PT PUMP mount
SW2 Ramp time	10 seconds ramp time	Immediate start
SW3 Frequency	60 Hz	50 Hz

Governor Controls

START FUEL	Maximum starting fuel adjustment
SPEED	50 Hz: 45 to 55 Hz 60 Hz: 55 to 65 Hz
DIF	PID differential adjustment
GAIN	PID actuator output gain adjustment

Dimensions



Environment

Operating Temperature	-40 to +80 °C
Storage Temperature	-40 to +85 °C
Relative Humidity	Max. 95%
Vibration	5.0 Gs @ 60 Hz

Physical Specifications

Dimensions	162.0 (L) x 112.0 (W) x 43.0 (H) mm 6.38 (L) x 4.40 (W) x 1.69 (H) inch
Weight	330 g +/-2% 0.73 lbs +/- 2%

