

EG4015

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 12/24V 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 30 Hz @ 60 Hz
Output Current	Continuous 15A	Temperature Drift Frequency Range	0.1 Hz @ -40 to +80 °C
Sensing Input Voltage Range	1 to 600 Vac	External Frequency Control	+/-2 Hz 5k ohms 1 watt potentiometer
Sensing Frequency Range	5 to 100 Hz	Static Power Dissipation	Min. 120 mA @ 12 Vdc
EMI Suppression	Internal electromagnetic interference filtering		Min. 60 mA @ 24 Vdc

Governor Controls

SPEED	50 Hz : 45 to 55 Hz 60 Hz : 55 to 65 Hz
DIF	PID Differential adjustment
GAIN	PID Actuator output gain adjustment

Environment

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

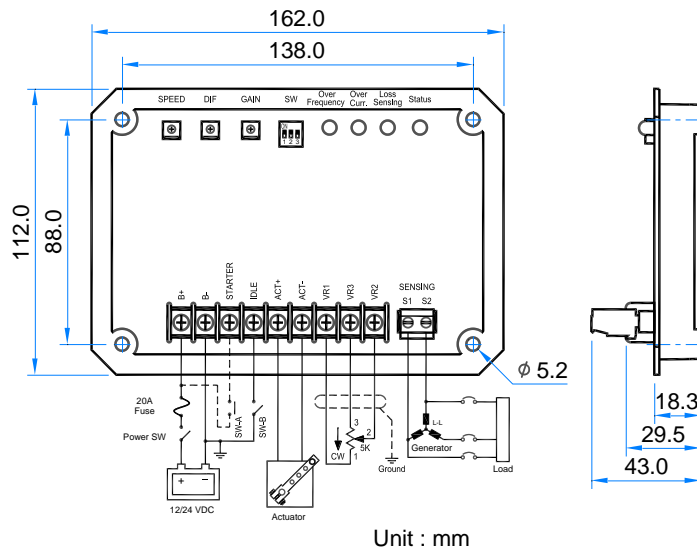
DIP Switch Description

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

Physical Specifications

Dimension	162.0 (L) x 112.0 (W) x 43.0 (H) mm
Weight	330 g +/-2%

Mechanical Specifications



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