

# EG1069X

## Governor Controller

Compatible with Barber Colman\* DYN1-1069X\*\*

### Features

- Smoke Limit Controller
- For Use In Both Gas & Diesel Engines
- Excellent Speed Stability & Performance
- Outstanding Vibration-Proof Design
- Anodized Finish For High Reliability
- Available For Use With Isochronous Generators & Remote Control In Paralleling



\* Use for reference purpose only, not a genuine Barber Colman product

\*\* Compatible with DYN1-10692-12/24V, DYN1-10693-12/24V, DYN1-10694-12/24V, DYN1-10696-12/24V by programmable DIP switches

### Specifications

**Operating** 12 or 24 VDC  $\pm 20\%$  select by DIP switch

**Output** Quiescent: 80 mA, Stall: 15 A

**Power Input** Voltage 12 or 24 VDC  $\pm 20\%$   
Current Rated above maximum actuator stall current

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

**Temp. Stability** Better than  $\pm 0.5\%$  between  $-40 \sim 75^\circ\text{C}$

**Ramp Time** 0 ~ 10 Sec

**Weight** 0.86 Kg  $\pm 2\%$

**Remote Speed Adjustment**  $\pm 5\%$  with 5K $\Omega$  potentiometer.

### Compatible Barber Colman Products Input Signal Frequency

Compatible Barber Colman Products	Input Signal Frequency
DYN1-10692-000-0-12/24	250 ~ 1200 Hz
DYN1-10693-000-0-12/24	1200 ~ 2500 Hz
DYN1-10694-000-0-12/24	2500 ~ 5000 Hz
DYN1-10696-000-0-12/24	5000 ~ 9500 Hz

### Environment

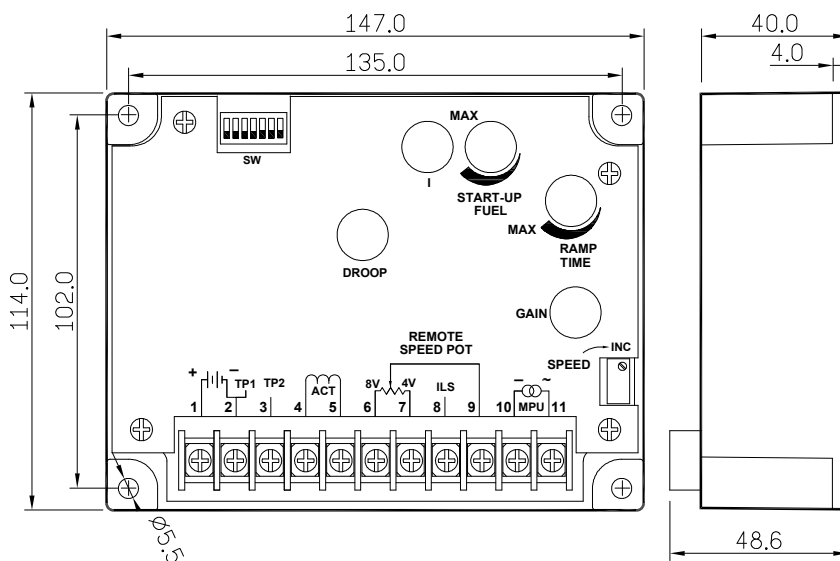
**Mechanical Vibration** 2.5G @ 48 ~ 70 Hz

**Relative Humidity** < 95%

**Operating Temperature**  $-40 \sim 85^\circ\text{C}$

**Storage Temperature**  $-40 \sim 85^\circ\text{C}$

### Mechanical Specifications



UNIT: mm

### DIP Switch Description

SW1	OFF for Diesel Engine ON for Gas Engine
SW2	OFF for DYNA8000 Actuator ON for DYNA8200 / 8400 Actuator
SW3	OFF for 24V I/O, ON for 12V I/O
SW4	ON* Compatible with DYN1-10692
SW5	ON* Compatible with DYN1-10693
SW6	ON* Compatible with DYN1-10694
SW7	ON* Compatible with DYN1-10696

### Governor Controls

DROOP	Droop Rate Adjustment
GAIN	MPU Output Gain Adjustment
I	Engine Stability Adjustment
SPEED	Engine Speed Adjustment
START-UP FUEL	Start-up Fuel Adjustment
RAMP TIME	Soft Start Adjustment

\*When one of the SW4~7 is ON, set others of SW4~7 OFF.