

# EG3002

## Universal Electronic Engine Governor Controller

Engine Start Smoke Limiting & Idle Speed settings

Works with External, Built-in and PT-Pump type actuators

Newly added "extreme slow response" engine setting

### Features

- Can be used in a wide range of input frequencies
- 15Amp maximum current output
- Suitable for all diesel, natural gas, and petrol (gasoline) engines
- Fast response time limits variations in speed (high stability)
- Injected epoxy housing provides high resistance to moisture, vibration, and oxidation
- Can connect with external potentiometer for remote speed control
- Adjustable Engine Idle speed setting
- Accepts analog signal inputs from other controllers to control speed



※ Kutai [EG3002F](#) provides wider remote speed adjustment range +/- 30 %

### Specifications

<b>Operating Voltage</b>	10 to 32 Vdc	<b>Ramp Time</b>	3 to 20 seconds (adjustable)
<b>Outputs Current</b>	Continuous 7A, Max. 15A for 10 seconds	<b>Remote Speed Adjustment Range</b>	+/-7% @ 5K ohms 1 watt potentiometer
<b>MPU Frequency input</b>	10 to 10,000 Hz	<b>Isochronous Load Sharing (ILS)</b>	+/-5 Vdc or 0 to 10 Vdc
<b>MPU Voltage input</b>	1 to 120 Vac	<b>Speed Droop (DROOP)</b>	0 to 4% (adjustable)
<b>Idle Adjustment Range</b>	30 to 90% of Normal Speed	<b>Stability</b>	Speed variation less than +/-0.25% at constant load
<b>Speed Temperature Shift</b>	-40 to +80 °C, less than 3%	<b>Static Power Consumption</b>	Less than 1 Watt @ 12 Vdc Less than 2 Watt @ 24 Vdc

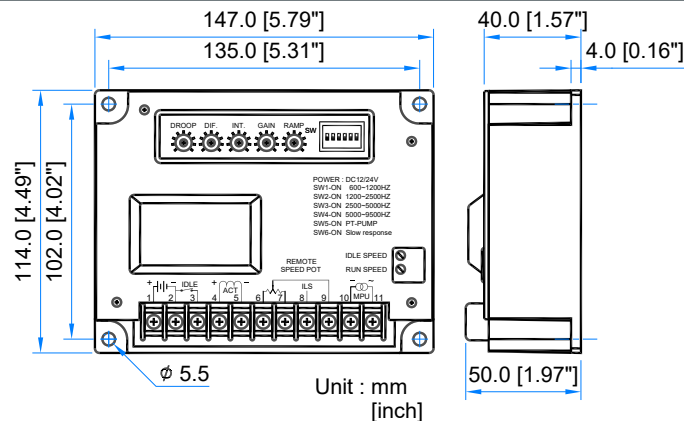
### Control Characteristic Settings

<b>DROOP</b>	Speed Droop setting
<b>GAIN</b>	Gain setting
<b>INT.</b>	Integral setting
<b>DIF</b>	Differential setting
<b>RAMP</b>	Ramp Time
<b>IDLE SPEED</b>	Idle speed setting
<b>RUN SPEED</b>	Operating speed setting

### DIP Switch Settings

<b>SW1-ON</b>	600 to 1200 Hz
<b>SW2-ON</b>	1200 to 2500 Hz
<b>SW3-ON</b>	2500 to 5000 Hz
<b>SW4-ON</b>	5000 to 9500 Hz
<b>SW5-ON</b>	Cummins PT PUMP
<b>SW6-ON</b>	Extreme slow response engine

### Dimensions



### Environment

<b>Operating Temperature</b>	-40 to +80 °C
<b>Storage Temperature</b>	-40 to +85 °C
<b>Relative Humidity</b>	Max. 95%
<b>Vibration</b>	5.5 Gs @ 60 Hz

### Physical Specifications

<b>Dimensions</b>	147.0 (L) x 114.0 (W) x 50.0 (H) mm 5.79 (L) x 4.49 (W) x 1.97 (H) inch
<b>Weight</b>	690 g +/-2% 1.52 lb +/-2%

\*All manufacturer names and numbers are used for reference purpose only and do not imply that any part is the product of these manufacturer.



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