

# GCU-2000

## Digital Gen-set PLC Control Unit Provides Full Instrumentation & Protection On Any Generator Set

### Features

- Micro-Processor Auto Control & Protection
- Easy to Read Large LCD Display
- Modularity Design · Easy to Install
- Provide Accurate Temperature and Oil Pressure Display
- Provide Full Engine & Generator Alarms Signals shutdowns
- All Functions Setting\* Can Be Done Directly On GCU-2000 No Need For PC Connection
- Provide Emergency Stop and Voltage Adjustment On Front Panel
- RS-232 Communication Interface
- Total Of 15 Memorable Event Logs



\*Customized settings are auto-saved into memory and will remain even when power is off  
\*\* Provide gen-set run-in modulate model and manual start and stop functions, when user proceed modulate controller will shut down all protect functions.

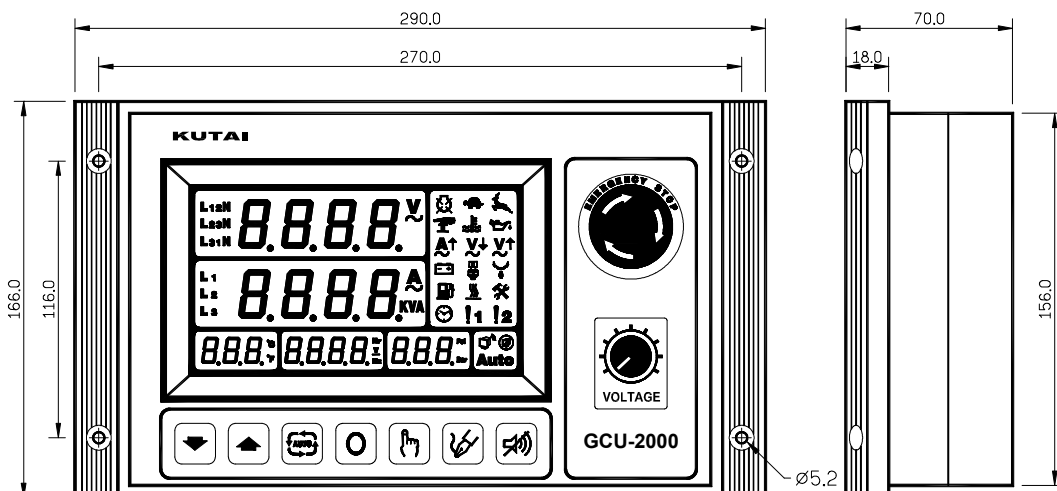
### Large LCD Display

- Programmable Display with 3 Phase Volts, Amp & Freq.
- Engine Operation Hours & Battery Voltage Display
- Can Display Different Unit Of Temperature & Oil Pressure
- Failure Signal Status By Graphic Display

### Protection & Alarm Status

- Engine Start Failure
- Engine Over Speed
- Sensor Failure
- Abnormal AC Voltage
- Low Engine Oil Pressure
- Emergency Stop Activated
- High Engine Temp.
- MPU Failure
- Generator Over Load
- Abnormal Battery Voltag

### Mechanical Specifications



Panel Installation Cut-Out:

251.5 × 157.0 ±0.5 mm

Weight: 372 g ± 2%

UNIT: mm

### Specifications

<b>Power Input</b>	Voltage	9 ~ 36 VDC (12V, 24V)
<b>Sensing Input</b>	Voltage	15 ~ 500 VAC 3Phase 4Wire
	Frequency	50/60Hz
<b>MPU Signal Input</b>	Voltage	± 2 ~ ±70 VAC
	Frequency	Min. 100 Hz Max. 10KHz
<b>CT Specification</b>	Burden	2.5 VA
<b>Power Dissipating</b>	Max.	7 Watt
<b>Operating Temp.</b>		-20 ~ 70 °C
<b>Relative Humidity</b>		< 95%
<b>Max. Vibration</b>		5 ~ 25Hz · ±1.6mm 25 ~ 100 Hz · a=4g

### Auxiliaries

<b>Digital Sensor</b>	-55°C ~ 125°C	±2°C (Max)
<b>Semiconductor Sensor</b>	-30°C ~ 120°C	±2.5%(Max)