

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*1
- Provide Emergency Stop and Voltage Adjustment On Front Panel*2
- Total Of 15 Memorable Event Logs



Protection & Alarm Status Indicators

- 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 Voltage

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

Specifications

Power Input	Voltage 9~36 VDC (12V , 24V)	MPU Signal Input	Voltage $\pm 2 \sim \pm 70$ VAC
Sensing Input	Voltage 15~500 VAC 3 phase 4 wire		Frequency Min. 100 Hz Max. 10 KHz
	Frequency 50/60 Hz	CT Specification	Burden 2.5 VA
Power Dissipating	Max. 7 watt		

Environment

Operating Temperature	-20~70 °C
Relative Humidity	Maximum 95%
Max. Vibration	5~25 Hz , ± 1.6 mm 25~100 Hz , a=4g

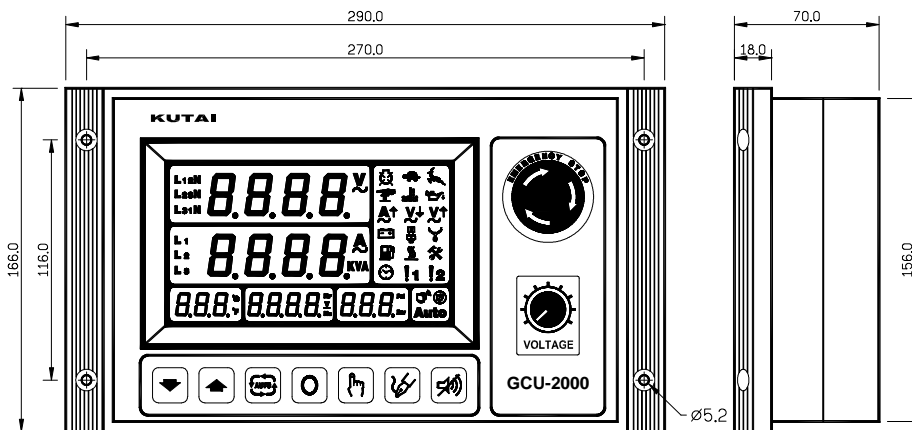
Physical Specification

Panel Cut-Out	251.5 x 157.0 ± 0.5 mm
Dimensions	290.0 (L) x 166.0 (W) x 70.0 (H) mm
Weight	1341 g $\pm 2\%$

Auxiliaries

Digital Sensor (TS-01)	-55~125 °C ± 2 °C (Max.)	Semiconductor Sensor (PS-01)	0~120 Psi $\pm 2.5\%$ (Max.)
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Mechanical Specifications (Unit : mm[inch])



*1 Customized settings are auto-saved into memory and will remain even when power is off.

*2 Provide gen-set run-in modulate model and manual start and stop functions, when user proceed modulate controller will shut down all protect functions.