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
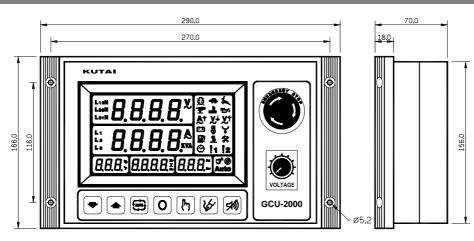- Total Of 15 Memorable Event Logs[2]

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 ±2~±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 ℃
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 ±2%

Auxiliaries

Digital Sensor (TS-01)	-55~125 ℃ ±2 ℃ (Max.)	**Semiconductor Sensor (PS-01)**	-30~120 ℃ ±2.5% (Max.)

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.