GCU-3000

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 Settings Can Be Done Directly on GCU-3000 or PC Connection [*1]
- Provide Emergency Stop and Voltage Adjustment on Front Panel [*2]
- Total of 15 Memorable Event Logs
- Optional USB / RS485 / Ethernet Remote Communication Functions
- J1939 CAN Bus Protocol Available. (Option)

*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.

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
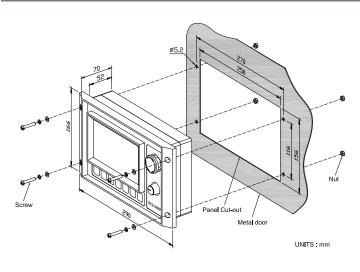- Abnormal Battery Voltage

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	8 to 60 Vdc (12V/24V)	**MPU Signal Input**	Voltage	+/-2 to +/-70 Vac
AC Sensing Input	Voltage	15 to 500 Vac		Frequency	Min. 100 Hz Max. 10 KHz
	Frequency	50/60 Hz	**CT Specification**	Burden	2.5 VA
Power Dissipating	Max. 7 watts				

Dimensions

UNITS : mm

Environment

Operating Temperature	-20 to +60 °C
Relative Humidity	Max. 95%
Max. Vibration	5 to 25 Hz +/-1.6 mm
	25 to 100 Hz a=4g

Physical Specifications

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%

Optional Accessories

Digital Sensor (TS-03)	-25 to +100 °C +/-2.0 °C (Max.)
Thin-Film Sensor (OPS-01)	0 to 100 Psi +/-0.5% (Max.)

ISO 9001
ETL