

GCU-100

Automatic Engine Control and Protection Module

Features

- Micro-Processor Auto Control & Protection
- Three Sets of High Illuminating LED Display Suitable for Indoor and Outdoor Use
- Full Function Modularized Design for Easy Installation
- All Functions Setting Can Be Done Directly On GCU-100 No Need For PC Connection^{*1}
- All settings are recorded into the internal (EEPROM) and protected from erasure even without battery
- Easy to Understand Graphical Warning Signals
- Din Rail Terminal For Easy Installation
- IP65 Waterproof Front Panel

^{*1} User can program, change and cancel protection and warning settings according to the requirement.



Protection & Alarm Status Indicators

- Engine Start Failure
- High Engine Temperature
- Engine Over & Under Speed
- Generator Over Load
- Charge Motor Failure
- Scheduled Maintenance Warning
- Emergency Stop Activated
- Low Engine Oil Pressure
- Abnormal AC Volt
- Low Fuel Level
- Abnormal DC Volt
- Free Programmable warning

Panel Display

- Fixed or Circulating Full Phase Voltage, Current and Frequency
- Engine Operation Hours
- DC Voltage (Battery)
- Delay Countdown Display

Specifications

Power Input Voltage 9~35 VDC (12V , 24V)

Sensing Input Voltage 15~510 VAC

Frequency 50/60 Hz

MPU Signal Voltage ± 2 to ± 70 VAC

Input Frequency Min.100 Hz , Max.10 KHz

CT Specification Burden Above 2.5VA

CT Secondary Ratio 5A

Power Dissipation Max. 5 watt

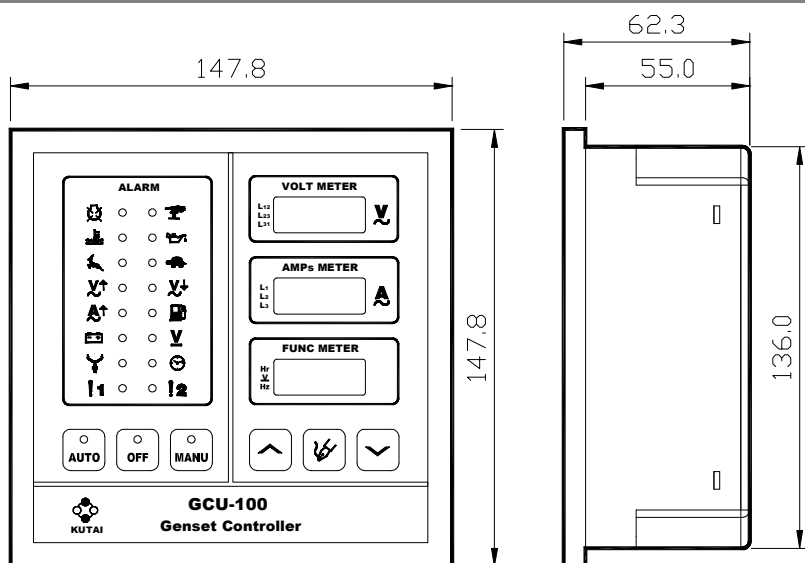
Environment

Operating Temp. -20~70 °C

Relative Humidity Maximum 90%

Max. Vibration 5~25 Hz , ± 1.6 mm 25~100 Hz , $a=4g$

Mechanical Specifications (Unit : mm)



Physical Specification

Panel Cut-Out 137.0 x 137.0 ± 0.5 mm

Dimensions 147.8 (L) x 147.8 (W) x 62.3 (H) mm

Weight 604 g $\pm 2\%$