

# GCU-20

## Engine & Generator Control Unit

Together with RA-20 Annunciator Module to help user monitor onsite and remote monitoring and warning

### Features

- Microprocessor Based Design
- Universal LED Graphic Interface, Displays Generator Status and Failures
- Modular Design, Quick Installation
- With Annunciator Alarm Output
- Selectable MPU Signal for Speed Sensing
- Suitable for Pump Engine control
- With Lamp Test Function for All Front Panel LEDs and Annunciator Lamps
- Provide IDLE control For Elec. Governors
- Five Adjustable Time Delay Potentiometers
- Six DIP Switches For Setting Different Engine Parameters



### Protection & Alarm Status Indicators

- Start Failure
- High Water Temp.
- Low Oil Pressure
- No Speed Signal
- Overspeed
- Underspeed
- Extra Prog. Input

### Adjustable Timers

- Engine Pre-Heat 2~30 Seconds
- Starter Cranking Time 1~15 Seconds
- Energize to STOP 1~15 Seconds
- Engine Idle (Governor) 0~300 Seconds
- Engine Cool-Down 0~300 Seconds

### Specifications

<b>DC Supply</b>	9.0 to 36 VDC
<b>Alternator Input Range</b>	5~300 VAC 50/60 Hz
<b>MPU Signal Input Range</b>	±2 to 70 VAC Peak
<b>Rated MPU Frequency</b>	100 Hz ~ 10,000 Hz

<b>Fuel Solenoid Signal Output</b>	10 Amp @ 12/24 VDC
<b>Start Signal Output</b>	10 Amp @ 12/24 VDC
<b>Annunciator Output</b>	300 mA @ 12/24 VDC
<b>Power Consumption</b>	Under 3 watt

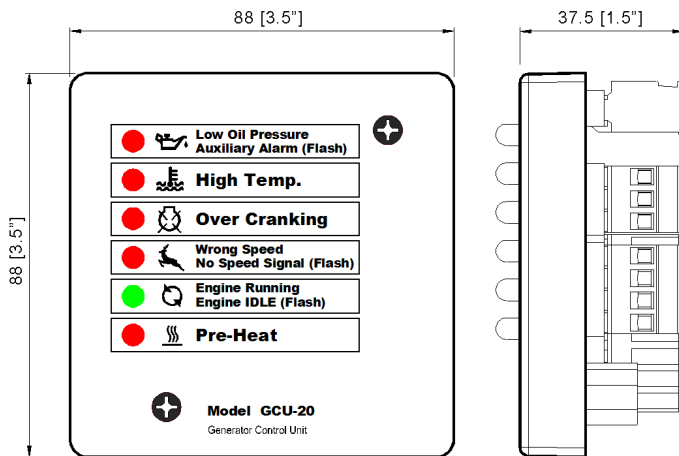
### Environment

<b>Operating Temperature</b>	-20~70 °C
<b>Storage Temperature</b>	-35~85 °C
<b>Relative Humidity</b>	Maximum 90%

### Physical Specification

<b>Dimensions</b>	88.0 (L) x 88.0 (W) x 37.5 (H) mm
<b>Weight</b>	206 g ±2%

### Mechanical Specifications (Unit : mm[inch])



### Installing Panel

