

# 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

### Specifications

<b>DC Supply</b>	9 to 36 Vdc	<b>Fuel Solenoid Signal Output</b>	10 Amp @ 12/24 Vdc
<b>Alternator Input Range</b>	5 to 300 Vac 50/60 Hz	<b>Start Signal Output</b>	10 Amp @ 12/24 Vdc
<b>MPU Signal Input Range</b>	+/-2V to +/-70 Vac Peak	<b>Annunciator Output</b>	300 mA @ 12/24 Vdc
<b>Rated MPU Frequency</b>	100 to 10,000 Hz	<b>Power Consumption</b>	Under 3W

### Protection & Alarm Status Indicators

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

### Adjustable Timers

<b>Engine Pre-Heat</b>	2 to 30 seconds
<b>Starter Cranking Time</b>	1 to 15 seconds
<b>Energize to STOP</b>	1 to 15 seconds
<b>Engine Idle (Governor)</b>	0 to 300 seconds
<b>Engine Cool-Down</b>	0 to 300 seconds

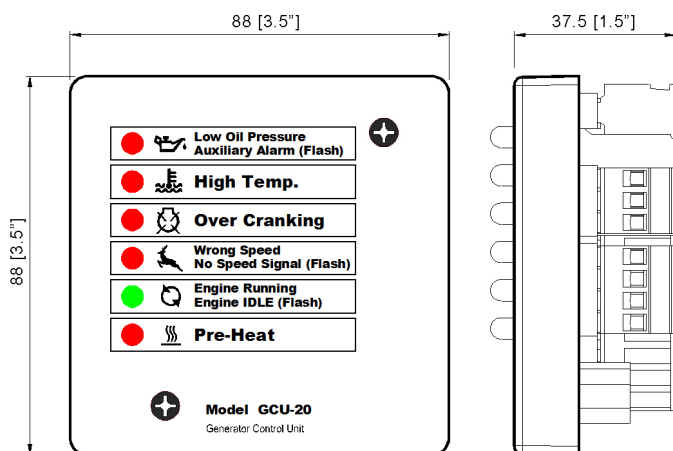
### Environment

<b>Operating Temperature</b>	-20 to +60 °C
<b>Storage Temperature</b>	-35 to +85 °C
<b>Relative Humidity</b>	Max. 90%

### Physical Specifications

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

### Dimensions



### Installing Panel

