

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

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

Protection & Alarm Status Indicators

- Start Failure
- Over speed
- High Coolant Temperature
- Under speed
- Low Oil Pressure
- Extra Prog. Input
- No Speed Signal

Adjustable Timers

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

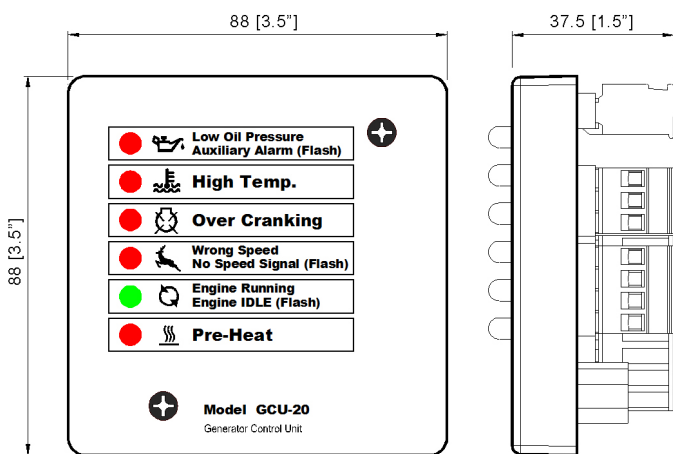
Environment

| | |
|------------------------------|---------------|
| Operating Temperature | -20 to +60 °C |
| Storage Temperature | -35 to +85 °C |
| Relative Humidity | Max. 90% |

Physical Specifications

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

Dimensions



Installing Panel

