

**DESCRIPTION:**




GU308A is an economical automatic generator set controller, which has been designed to select the control mode via a key switch which on the front panel, indicating the gen-set running status by LED which located on the front panel. Under manual mode can manual start and stop the gen-set via the start and stop key which on the front panel; Or pre-set the key switch under manual mode to start and stop the gen-set by the remote signal. Indicating the gen-set running status by LED which located on the front panel and measure display the engine parameter by the LED indicator. Controller with protected function to ensure the engine not mangle during operating.

All the parameters setting running and protecting by the key and LED which located on the front panel.

Controller adopt with standard DIN96 shell. All connection of the controller are connected by pin-like terminal with lock, such device can be connected、 moved 、 maintained and replaced easily and conveniently.

**Controller Front Panel :**

**There are three sections of the key Switch.**

-  **STOP** , in the “O” position DC supply is removed from the module and all the outputs are de-energized.
-  **MANUAL**, in the “MAN” position manual start and stop the gen-set via the start and stop button which located on the front panel.
-  **AUTO CONTROL MODE**, in “AUTO” position if there is a effective remote signal controller will control the gen-set started automatically and all the protected function will be active to ensure the gen-set not mangle during running. And if the remote signal inefficacy gen-set will shut-down automatically.



**START KEY :**

This key is used for generator manual startup and stopped ; When controller is running in this mode, press this key for starting.



**STOP/RESET KEY:**

Used to stop the generator by hand, when controller set in “MAN” mode, press this key for stopping the generator. Press this key more than 2seconds can release the faults stop lock if there is fault output.



**MUTE KEY :**

When the controller occur faults, the buzzer alarm(external connected), press this key, alarm release, and the Indicator illuminate.



**Fault to Start indicator:**

If engine startup times over the preset startup times, but still can not startup, and it calls fault to start and the indicator illuminate and buzzer alarm.



**Low oil pressure indicator :**

After engine running and safety-on delay time out, controller detected the oil pressure value lower than the faults value or oil pressure switch is closed, engine will stop

## GU308A Controller Introduction

immediately and indicator illuminate and buzzer alarm.



### High temperature indicator :

Controller detected the engine coolant temperature value higher than the faults value or temperature switch is closed, engine will stop immediately and indicator illuminate and buzzer alarm..



### Over-speed indicator :

Controller detected the engine running speed is higher than the over speed faults value, engine will stop immediately and indicator illuminate and buzzer alarm.



### Low fuel indicator :

Fuel being low, indicator illuminate, buzzer alarm and motor shut down.



### Emergency Stop indicator :

When have the effective emergency stop signal, controller shut down immediately, indicator illuminate, buzzer alarm.

## Running Parameters Configuration:

Fuel mode 0(NC) 1 (NO)  
Preheating (idle) delay (0~999 秒 )  
Start delay ( 1~300 sec )  
Start-up times ( 1~10s )  
Crank time ( 1~30sec )  
Crank reset ( 1~300sec )  
Crank disconnect frequency (5~100Hz )  
Safety-on delay ( 0~600sec )  
Cooling delay ( 0~600sec )  
Over speed alarm ( 0~9999RPM ) 9999 (no setting)  
Over Speed Fault ( 0~9999RPM ) 9999 (no setting)  
Low Battery Alarm ( 1~25V ) 0 (no setting)  
Temperature Sensor  
Pressure Sensor  
Oil Sensor  
Low speed alarm ( 20~100Hz )  
Low speed fault ( 20~100Hz )  
High temperature alarm ( 70~160 )  
High temperature fault ( 70~160 )  
Low oil pressure alarm ( 50~300Kpa )  
Low oil pressure fault ( 50~300 Kpa )  
Low level position alarm ( 0~100% )  
Low level position fault ( 0~100% )  
Low battery voltage alarm ( 1~25V )

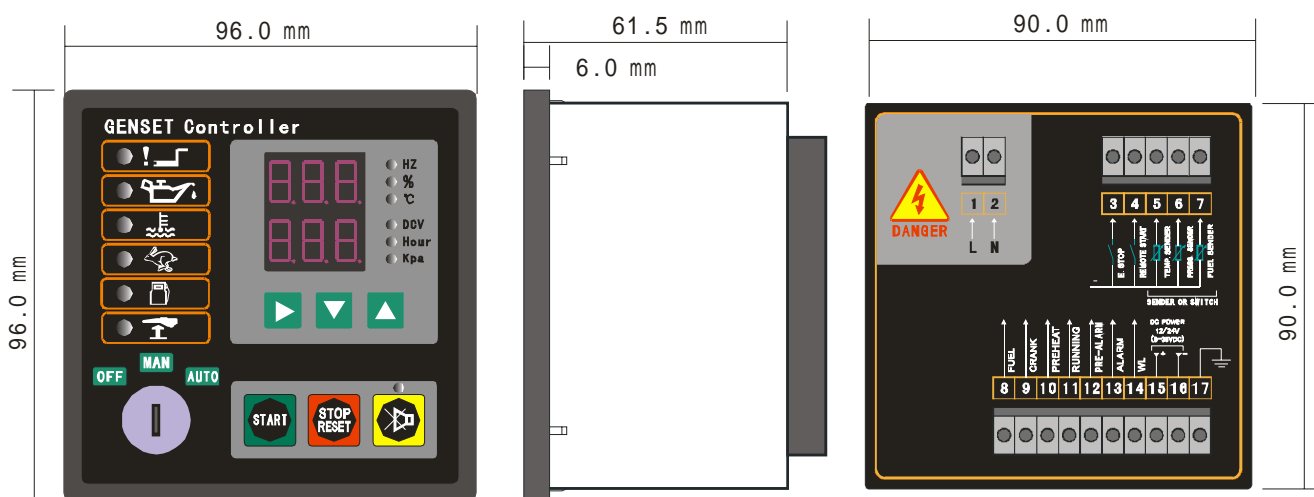
## Other Parameters:

DC Source  
Voltage Range: 12V/24V ( 9~32V serial )  
AC input Frequency: 3~70Hz ( 30V voltage 300V )  
Controller output: DC8~32V , 500mA  
Running temperature: -30~70  
Storage Temperature: -40~80

# GU308A Controller Introduction

## Shape Dimension :

Control Panel	W96mm × H96mm
Hatch For Installation	W92mm × H92mm
Thickness	D61.5mm ( unconnected )



## Typical Connection :

