



MGC100

MGC100 Petrol Genset Controller is designed for start and protection of single genset. It allows manual and remote start/stop, data measurement, alarm indicate, shutdown protection functions. The controller fit with LED display, button-press operation, and it achieves precise measurement of various parameters, protection and control of genset. All of parameters can be configured from front panel. The controller which can be widely used in data display and fault protection of a number of small diesel and petrol genset with easy operation, reliable work, compact structure and simple connections.

Product Code : 6010002

Power Supply : DC(8-35)V

Case Dimensions : 105.8*61*36.6(mm)
Panel Cutout : 92*44(mm)
Operating Temp. : (-25~+70)°C
Weight : 0.094kg

COMPLETE DESCRIPTION

MGC100 Petrol Genset Controller is designed for start and protection of single genset. It allows manual and remote start/stop, data measurement, alarm indicate, shutdown protection functions. The controller fit with LED display, button-press operation, and it achieves precise measurement of various parameters, protection and control of genset. All of parameters can be configured from front panel. The controller which can be widely used in data display and fault protection of a number of small diesel and petrol genset with easy operation, reliable work, compact structure and simple connections.

PERFORMANCE AND CHARACTERS

1. Multifunctional Nixie tube display, press button to operate;
2. There is a red LED on the panel for displaying working and alarm status;
3. Chose to control Petrol Genset or Diesel Genset via connection;
4. Suitable for 3-phase 4-wire, 3-phase 3-wire, 2-phase 3-wire, single phase 2-wire (120V/240V)systems with frequency 50/60/Hz;
5. Protection function for gen under/over volt, over speed, fail to stop, emergency stop, high water temp, low oil pressure; when in protection, LED indicates alarm, and goes shutdown protection;
6. Generator rotate speed can derive from gen frequency or rotate speed sensor;
7. 4-way digital input (high water temperature input, low oil pressure input, remote input, urgency stop input);
8. 2 relay output(start output, fuel output) and the fuel output is flexible output;
9. 1 flexible transistor output can be set to preheat output, alarm output, energize to stop output and idle output, etc;
10. Two start success conditions (rotate speed sensor, generate) can be chosen;
11. Parameter setting: parameters can be modified and stored in internal EEPROM memory and cannot be lost even in case of power outage; all of them can be adjusted using front panel of the controller;
12. Modular design, anti-flaming ABS plastic enclosure, embedded installation way; compact structure with easy mounting.

PARAMETER LIST

Function Item	Parameter
Display	LED Nixie Tube

Function Item	Parameter
Operation Panel	PET
Digital Input	4
Relay Output	3(one transistor output)
AC System	1P2W/2P3W/3P3W/3P4W
Alternator Voltage	(15~360)V(ph-N)
Alternator Frequency	50/60Hz
DC Supply	DC(9-18)V
Case Dimensions(mm)	105.8*61*36.6
Panel Cutout(mm)	92*44
Operating Temp.	(-25~+70)°C

MGC100 Typical Application

