

# GTR-300

## GENERATOR CONTROL MODULE



**Monicon**  
Monitor&Control



### Introduction

GTR-300 is a compact and reasonable price control module, consist of manual/auto start and stop. Protections, warning alert functions, and graphical LCD clearly displays the system information; capable of monitoring RPM, high temperature, low oil pressure, over crank, emergency stop, and low battery faults. The controller has battery voltage and running hours functions built-in; it is a truly high performance, low cost remote control module.

The controller uses relay output, which allows higher voltage output. It uses push buttons to switch on/off the generator; parameters can be configured directly on the front panel, suiting all different kinds of system requirements and gives more flexibility to the end-user. It also uses EURO type easy connect terminal connectors offering great convenience.

### Features

- Manual / Auto start
- Generator monitoring and protection
- Back-lit graphical LCD display
- Programmable front panel
- Display: Battery voltage, Running hours
- Configurable inputs with NO/NC mode
- Three configurable auxiliary outputs
- Programmable via front push buttons
- Wide input voltage range 8~36V
- Euro type terminal for quick installation
- Low power consumption 250 mA@12V; 160 mA@24V

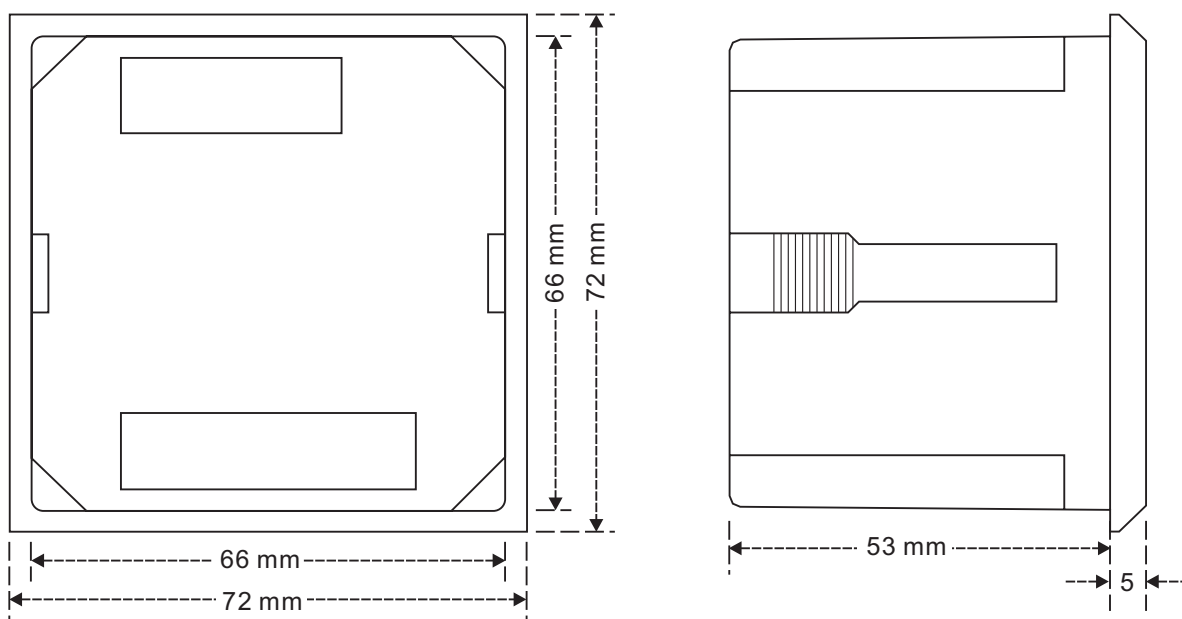
### Protecting functions

- Emergency stop delay: 0.1 sec/ stop
- Low battery voltage delay: 5 sec/ warning
- Over speed delay: 2 sec/ stop
- High water temp delay: 1 sec/ stop
- Low oil pressure delay: 1 sec/ stop
- Cranking time: 10 sec.
- Crank disconnect: 0.5 sec./ 16 Hz

### Specification

- **DC Supply**  
8~36 V (DC)
- **Power consumption**  
Max. 250 mA@12 V; 160 mA@ 24V
- **Measuring Frequency**  
Min AC volt: 5V  
Range : 0~80 Hz
- **Measuring DC voltage**  
Range : 10~31 V
- **Relay output**  
5 A/30 V
- **Ambient Temperature Range**  
-20°C~70°C
- **Dimension (W\*H\*D)**  
72 mm x 72 mm x 58 mm
- **Panel cut-out (W\*H)**  
68 mm x 68 mm
- **Weight**  
175 g(0.38 lb)

## Dimension



## Typical connections

