



## HGM6110U-RM

HGM6100U-RM remote monitoring control module is designed for HGM6100U/6100E/6100U2C series controllers remote monitoring. It is used for single unit remote monitoring system to realize functions of remote start/stop genset, data monitoring, alarms display and etc. via RS485 port. Module can be in monitoring mode, only monitor not control, or be transferred to remote control mode by local module to remote control and monitor genset. One HGM6100U/6100E/6100U2C controller can connect with 2 HGM6100U-RM modules.

Product Code : 6010070

Power Supply : DC(8-35)V

Case Dimensions : 197\*152\*47(mm)

Panel Cutout : 186\*141(mm)

Operating Temp. : (-25~70)°C

Weight : 0.56kg

## COMPLETE DESCRIPTION

**HGM6100U-RM** remote monitoring control module is designed for HGM6100U/6100E/6100U2C series controllers remote monitoring. It is used for single unit remote monitoring system to realize functions of remote start/stop genset, data monitoring, alarms display and etc. via RS485 port. Module can be in monitoring mode, only monitor not control, or be transferred to remote control mode by local module to remote control and monitor genset. One HGM6100U/6100E/6100U2C controller can connect with 2 HGM6100U-RM modules.

**HGM6100U-RM** remote monitoring control module uses micro-processing technique and 132 x64 LCD display with 8 kinds of languages can be optional by users (Simplified Chinese, English, Spanish, Russian, Portuguese, Turkish, Polish and French). It can be widely used in all types of automatic control system for its compact structure, simple connections and high reliability.

## Performance and characteristics

**HGM6100U-RM** series has two types:

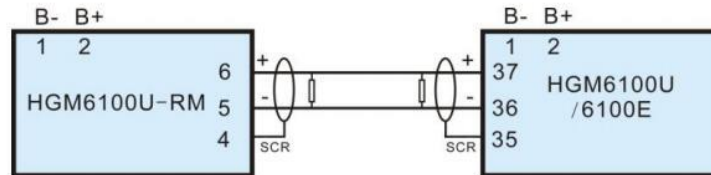
**HGM6110U-RM:** remote monitoring module for HGM6110U/6110E/6110U2C series controllers;

**HGM6120U-RM:** remote monitoring module for HGM6120U/6120E/6120U2C series controllers

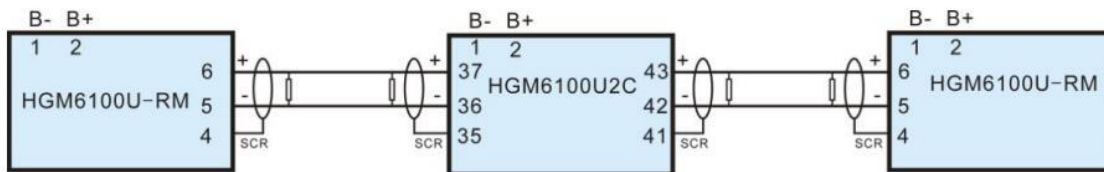
- 132\*64 LCD display with backlight, optional language interface (Simplified Chinese, English, Spanish, Russian, Portuguese, Turkish, Polish and French), push-button operation;
- Acrylic screen, improved wearable and scratch resistance property;
- Silica-gel panel and keys can well adapt to higher and lower temperature;
- With RS485 communication port, can achieve “three remote”(remote control, remote measurement and remote communication ) functions via MODBUS protocol;
- Parameter setting: Allow user to modify setting and store them in internal FLASH memory. The parameters cannot be lost even when power off. All of parameters can be set not only from the front panel, but also use PS485 interface to adjust them via PC. All parameters of HGM6100U-RM must be configured same as local module’s of HGM6100U controller;
- Power supply range: (8~35)V DC, accommodating to different starting battery volts;
- All parameters use digital modulation, instead of analog modulation using conventional potentiometer, having improved reliability and stability;
- Add rubber gasket between shell and controller screen, the waterproof can reach IP55;
- Controller is fixed by metal fixing clips;

- Modular design, flame-retardant ABS shell, embedded mounting, compact structure and easy installation.

## HGM6110u-rm Typical Application



**HGM6100U-RM and HGM6100U/E Typical Application Diagram**



**HGM6100U-RM and HGM6100U2C Typical Application Diagram**