

Technical

Note

LY02 bluetooth control module

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■ Product Overview

LY02 is a module with a key control and Bluetooth control transmission. The module has the function of controlling the air door of the step motor, the control of the gasoline Solenoid valve, the control of the liquefied gas Solenoid valve, the voltage, the current, the oil level detection and the like.

■ Functional features

1. Start mode: the generator can be used to start with a key to start the phone and Bluetooth electric start, with a stepper motor control damper in the cooler heat engine in different environments to better start the generator.
2. Gasoline and liquefied gas Solenoid valve control: control of the generator fuel gas or liquefied petroleum gas.
3. Test generator voltage, current, speed, fuel oil and other data, and sent to the phone through bluetooth.
4. Flameout mode: the generator can be extinguished by a key and mobile phone Bluetooth.
5. Module requires a key power, and with automatic timing power off function.
6. The antenna Model Specification:

Frequency Range 2402-2480MHz

Input Impedance 50 ohm

Connector Type IPEX

RF Cable RG1.13

V.S.W.R ≤ 1.5

Polarization Linear

Radiation Omni directional

Gain 2.5 dBi

Material of Radiator Cu

Pull Test > 1.5KG

Antenna size Length=78mm, Cable Diameter $\varnothing$ =1.1mm

Working Temperature -20~ +70 degree

Humidity :30%RH~85%RH

■ Specifications

1. Battery supply voltage input range: DC10V~15V
2. Maximum current of module operation during generator start up: $\leq 5.0A$
3. Standby Bluetooth operation module standby current: $\leq 0.06A$

■ Conditions

1. Pressure: P=106KPa (760mmHg)
2. Humidity: 30%RH~85%RH
3. Working temperature: -20℃~70℃
4. Preservation temperature: -30℃~85℃

FCC Caution.

§ 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the

interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF warning for Mobile device:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

The LY02 module is designed to comply with the FCC statement. FCC ID is YA3LY02. The host system using LY02, should have label indicated it contain modular's FCC ID YA3LY02

This radio module must not installed to co-locate and operating simultaneously with other radios in host system , additional testing and equipment authorization may be required to operating simultaneously with other radio.