

Product Manual

HA-F834 Remote Control

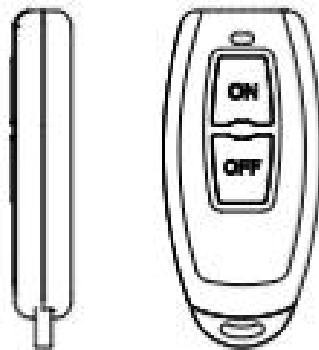
1. Product Overview

This product is a wireless RF remote control (transmitter) operating in the 433 MHz band. It uses a surface acoustic resonator for frequency stabilization combined with an advanced encoding IC, offering high frequency stability, low power consumption, long transmission distance, and strong wall penetration.

This low-power remote control is suitable for short-range wireless control applications.

Product Name: General Purpose Engine Remote Control

Model: F834



Product Appearance:

2. Main Technical Parameters

Parameter	Value
Product Dimensions:	60mm*29.5mm*12mm(L×W×H)
Operating Temperature:	-20°C~60°C
Operating Voltage:	DC 6V
Operating Current:	<10mA
Standby Current:	<1uA
Encoding Method:	1527
Transmission Distance:	50 m (open area)
Battery Type:	CR2016 coin cell × 2

3. Wireless Technical Specifications (433 MHz)

Item	Specification
Operating Frequency	433.92MHz
Modulation	OOK
Transmit Power	<-80 dBm
Antenna Type	PCB antenna

4. Remote Control Instructions

This remote control can be paired with the HA-0806, HA-0807, or HA-0808 series general purpose engine modules. After pairing, when the module is connected to a 12V power supply, it enters standby mode. When the **ON** button on the remote control is pressed, a 433 MHz start signal is transmitted via the high-frequency transmission circuit. The remote control host receives this 433 MHz signal through its antenna; the microcontroller (CPU) decodes and analyzes the signal. Upon recognizing a start command, the host outputs a start signal and gradually rotates the stepper motor to open the air door, then checks whether the gasoline generator has started successfully.

Conversely, when the **OFF** button on the remote control is pressed to send a stop signal, and after confirming that the gasoline generator is running, the microcontroller (CPU) outputs a stop signal to shut down the generator. The stepper motor then rotates to close the air door.

5. Precautions

Do not use in a metal-shielded environment, as this may reduce the remote control distance.

Avoid heavy pressure, dropping, or immersion in water.

If the remote control distance becomes noticeably shorter, check the battery level or whether there is a strong interference source.

FCC Warning

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.

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

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.