

Model: 157692 Principle

This product is an automatic door opener. It includes three main parts.

1. Motor/Gear box and installation hardware.
2. Main controller PCB with MCU.
3. RF Receiving PCB
4. RF Transmitter.

The power used by this system is supplied from a 110VAC-24VAC adapter. The main controller will operate the door according to the trigger signal from the RF receiver. The PWM technology is used to control the opening/closing speed of the door, and the current-sensing circuit is used to stop door. There is also pulse feedback from the motor for door position control.

The door can be operated by pressing the button of the transmitter. The transmitter is a 315MHz, rolling code type transmitter. The RF receiver can receive the RF signal from the transmitter, then the trigger signal can be get through demodulation and decoding processes.

According to different kinds of doors, different modes of operations can be set by the dip switches on the main controller.