

# QA-R-020自动断电RF接收模块

## 接线图

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## 功能介绍

### 自动断电功能说明

电源电压小于12V-12.2V的情况下，1分钟后，输出端自动断电；

电源电压处于12.2V - 13.5V，遥控器控制输出端状态

电源电压大于13.5V-13.7V 且输出端断开的情况下，输出端自动导通，且遥控器无法控制模块；

### 遥控器控制说明

**点动模式：**遥控器的一个按键按住使设备的输出端通电，松开使设备的输出端断电

**设置方法：**按下模块的学习按钮1次，学习指示灯亮起，进入配对状态；按下遥控器上的按键，学习指示灯闪烁后熄灭，设置成功

**自锁模式：**遥控器的同一按键可以控制模块输出端的通电与断电，按一次按键模块输出端通电，再按一次模块输出端断电

**设置方法：**连续按2次学习按钮，学习指示灯亮起，进入配对状态，按下遥控器的按键，学习指示灯闪烁后熄灭，设置成功

**互锁模式：**遥控器的两个按键分别控制输出端的通电与断电，其中一个按键按一下只能控制输出端的通电，另一个按键按一下只能控制输出端的断电

**设置方法：**连续按3次学习按钮，学习指示灯亮起，进入配对状态，按下遥控器上的一个按键，学习指示灯闪烁后再亮起，再按下遥控器上的另一个按键，学习指示灯闪烁后熄灭，设置成功

**延时模式：**按一下遥控器按键，模块输出端通电，延时到相应时间后输出端断电

**设置方法：**连续按4/5/6/7下学习按钮，学习指示灯亮起，进入配对状态，按下遥控器上的一个按键，学习指示灯闪烁后熄灭，设置成功（4下对应延时5秒，5下对应延时10秒，6下对应延时15秒，7下对应延时20秒）

## 复位设置说明

连续按8下学习按钮后，指示灯闪烁后熄灭，设备输出端断电，同时清除所有记忆的遥控器数据；

工作电压	DC 3.3V~24V
最大负载电流	3A（长时间工作为2A）
待机电流	≤ 7mA
RF接收频率	433.92MHz
适用遥控芯片类型	EV1527
控制方式	遥控器
存储遥控器数量	支持记忆40个
外形尺寸	31.2 mm x 13.6mm (长 × 宽) 小尺寸!

# Automatic Power Off RF Receiver Module

## Wiring diagram

QIACHIP



## Function introduction

### Automatic Power-off Function Description

When the power supply voltage is less than 12V-12.2V, after 1 minute, the output off automatically;

Power supply voltage 12.2V - 13.5V, the remoted control output state

When the power supply voltage is greater than 13.5V-13.7V and the output is on, the output is automatically turned on and the remote control cannot control the module.

### Remote Control Instructions

**Momentary mode:** press and hold a key of the remote controller to power on the output terminal of the device, and release it to power off the output terminal of the device

Setting method: press the learning button of the module once, the learning indicator lights up and enters the pairing state; Press the key on the remote controller, the learning indicator flashes and goes out, and the setting is successful

**Toggle mode:** the same key of the remote controller can control the power on and power off of the module output end. Press the key once to power on the module output end, and then press the key once to power off the module output end

Setting method: press the learning button for 2 times continuously, the learning indicator lights up and enters the pairing state. Press the button on the remote controller, the

learning indicator lights up and goes out.

**Latching mode:** the two buttons of the remote controller control the power on and power off of the output end respectively. One button can only control the power on of the output end, and the other button can only control the power off of the output end

Setting method: press the learning button for 3 times continuously, the learning indicator light will be on, enter the pairing state, press one button on the remote controller, the learning indicator light will be on after flashing, and then press another button on the remote controller, the learning indicator light will be off after flashing, and the setting is successful

**Delay mode:** press the remote control button once, the output terminal of the module will be powered on, and the output terminal will be powered off after the delay reaches the corresponding time

Setting method: press the learning button for 4 / 5 / 6 / 7 times continuously, the learning indicator lights up and enters the pairing state. Press a key on the remote controller, the learning indicator lights up and goes out. The setting is successful (4 times corresponds to a delay of 5 seconds, 5 times corresponds to a delay of 10 seconds, 6 times corresponds to a delay of 15 seconds, and 7 times corresponds to a delay of 20 seconds)

### Reset Setting Description

After pressing the learning button for 8 consecutive times, the indicator light flashes and goes out, the output terminal of the device is powered off, and all the memorized remote control data are cleared at the same time;

Working voltage	DC 3.3V~24V
Maximum load	3A (2A for long-time work)
Static current	≤ 7mA
Working frequency	433.92MHz
Remote control code	EV1527
Control method	Remote
Number of memories	40 sets of remote controls
Size	31.2 mm x 13.6mm (length × width ) Mini size!