

Specification

Input voltage: 6-12V
 Input current (max): 6A
 Optocoupler signal input
 Noise/signal lost interference filtering
 Low power consumption

Application

Control the engine on RC models
 Control some other onboard electric equipment of RC model

Function :

RCD3027 is an intellectual onboard optocoupler remote control switch, it can control the electric device through a random channel on transmitter, it may disconnect power when the signal is lost from the receiver and resume power supply and return to normal when signal from receiver is found.

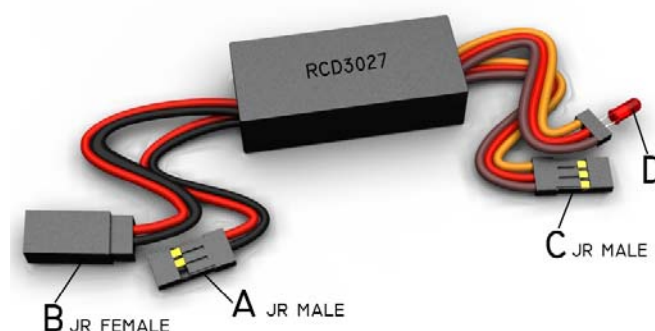
As soon as it is connected with power, LED light will blink 10 times and then enter normal working mode, right after plug the signal wire of the device onto whatever switch channel on transmitter, it starts controlling the onboard electric device through this channel of the transmitter, when the switch is on, it starts powering the onboard electric device, it enters low power consumption mode after 5 seconds, at the same time the LED light blinks slowly (Light is off within 900 milliseconds, light is on within 100 milliseconds)

When the switch is turned off, power to the electric device is shut off, at the same time, the LED light is gone off; When the switch is on, it starts power supply normally, but if the signal is lost no matter it is something wrong with receiver or some other reasons, it will shut off the power supply to the onboard electric device after 5 seconds delay. As soon as the signal from receiver is found, its function is resumed and enters normal working state instantly.

As it collects the receiver signal through optocoupler, signal isolation would be 100% from the receiver, so no signal interference at all. Besides, its algorithm filtering program can filter some noise and short time interference from signal lost effectively.

Typical Application:

Diagram



A Power input, connecting battery

B Power output, connecting electric device

C Signal input, plugs onto the receiver

D LED light, indicating the working status

* The diagram is for reference only, the real product is packed in shrinking tube instead of plastic case.