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Description:↵

This is an auto delay combo switch, switchA is normally on, when activated, SwitchA will be turned OFF and SwitchB will be turned ON at the same time, after a delay (adjustable), SwitchB will be turned OFF and SwitchC will be turned ON automatically, and again, after another delay, SwitchC will be turned OFF and SwitchA will be turned ON again till next activation. ↵

You may use it as a Signal Animator, to control your 2 aspects or 3 aspects signals

automatically by the moving train. It can be used as switch to control all other electric parts such as lampposts, lighted cars, LED strips in your tunnel, lights in your passenger car, etc..., or active the flashing circuit board of the Railroad Crossing Signals.

Can be actived by Reed Switch + Moving Magnet or Infrared transmitter + Infrared receiver

(1), Jumper GR : when connected, Cathode of Relay SwitchC and Cathode of Relay SwitchA will be connected, for 2 aspects signals controlling.

(2), Jumper RY: when connected, Cathode of Relay SwitchC and Cathode of Relay SwitchB will be connected, so that you may have double delay time for 2 aspect signal or single electric object.

(3), Reed Switch Connector: connecte the reed switch to this connector, will be actived by a magnet placed on the train.

(4), Input Method: when turned to DC position, the input voltage can be DC5V to DC16V, and the output voltage of switchA, switchB, switchC will be DC3V, when turned to AC position, the input voltage can be AC5V to AC16V, and the output voltage of switchA, SwitchB, SwitchC equal to the input voltage.

(5), Power Input connector: 5V to 16V power input. (you may connect the anode to any point)

(6), (7), lower power input: DC3V to DC4.5V power input: can control 3 aspects LEDs signals only. You may use cell battery etc...

(8)(9)(10), Cathode of output for Relay SwitchA,B,C.





(11), Common anode of output : of Relay SwitchA,B,C.

(12), Infrared transmitter

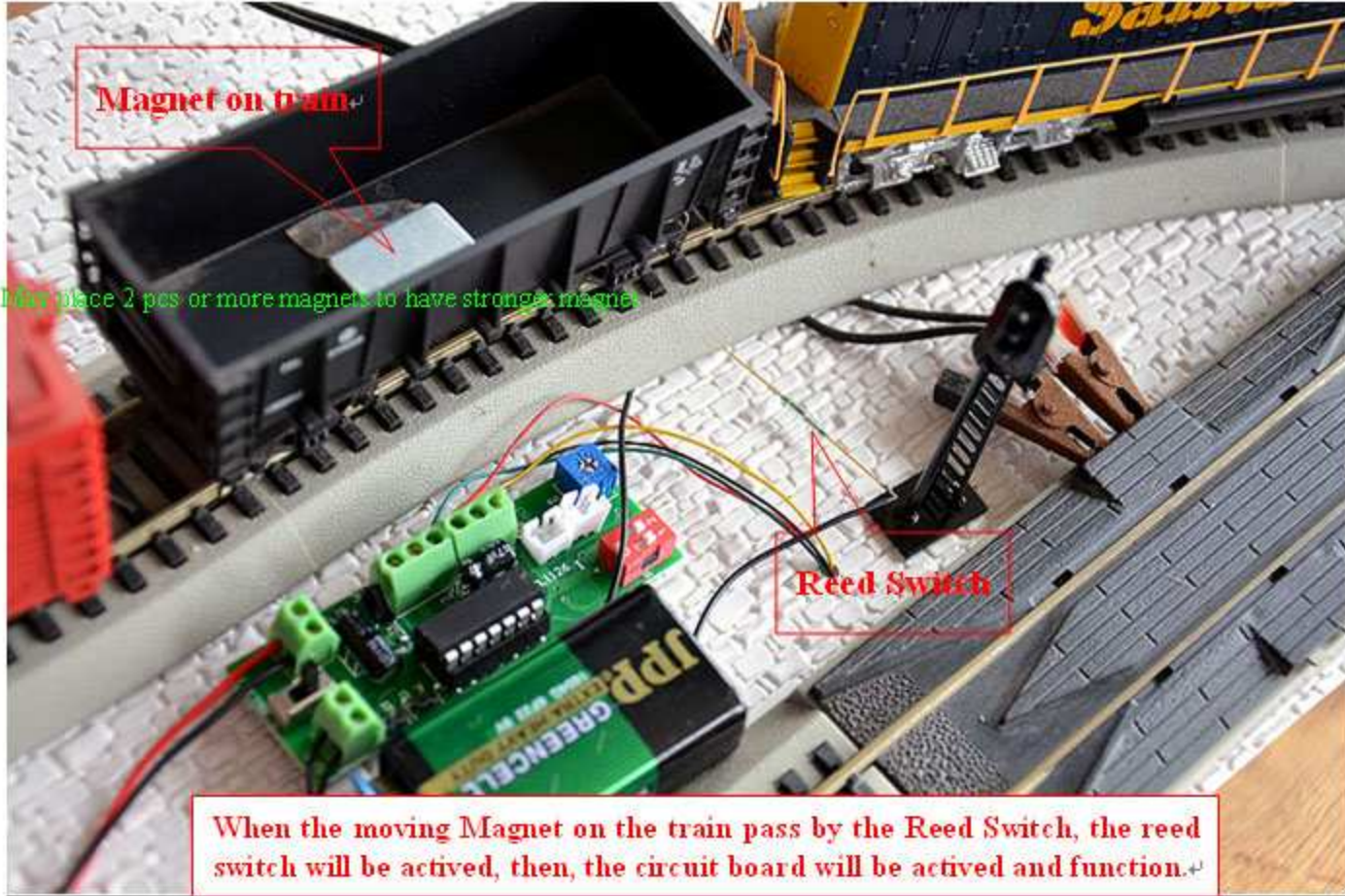
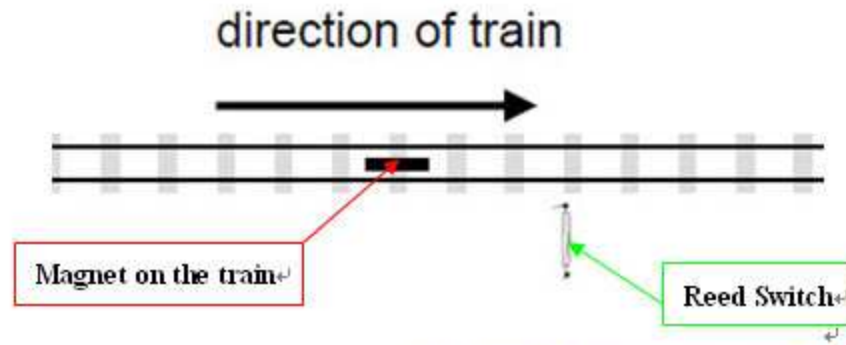
(13), Infrared receiver

(14), Adjustor of IR distance: adjust the sensitivity of the IR.

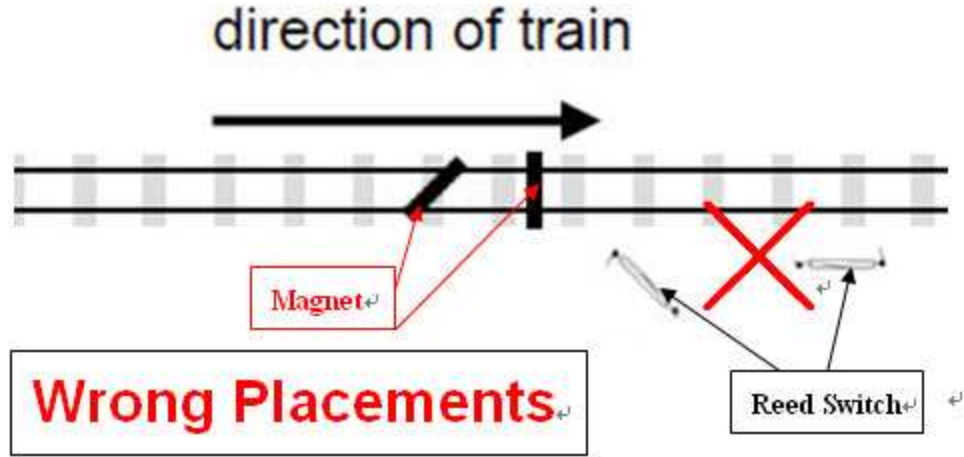
(5), Delay Time Setting switch:

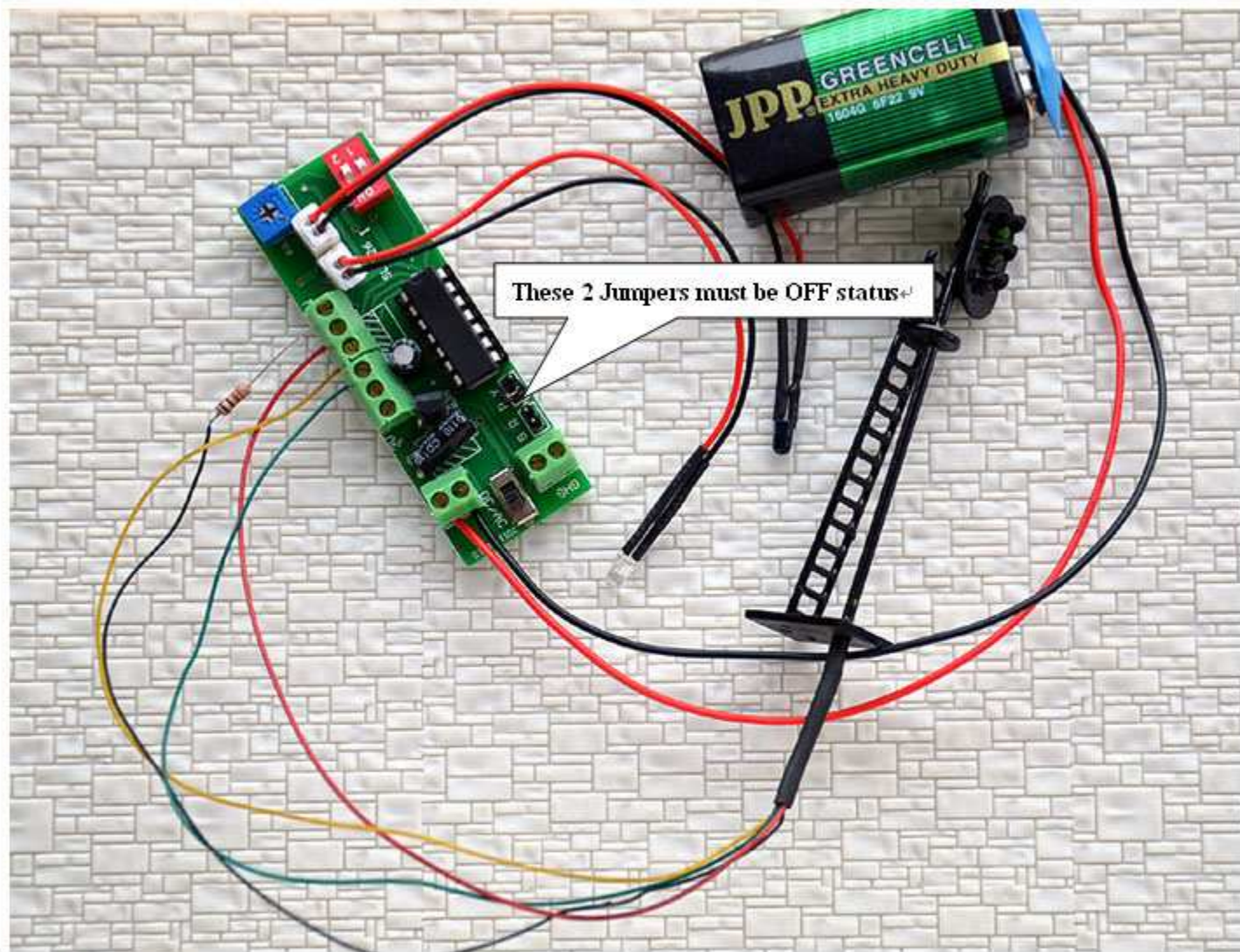
Switch	1 off, 2 off	1 on, 2 off	1 off, 2 on	1 on, 2 on
				
Delay Time	3 second	5 second	7 second	10 second

How to place the Reed Switch and Magnet:

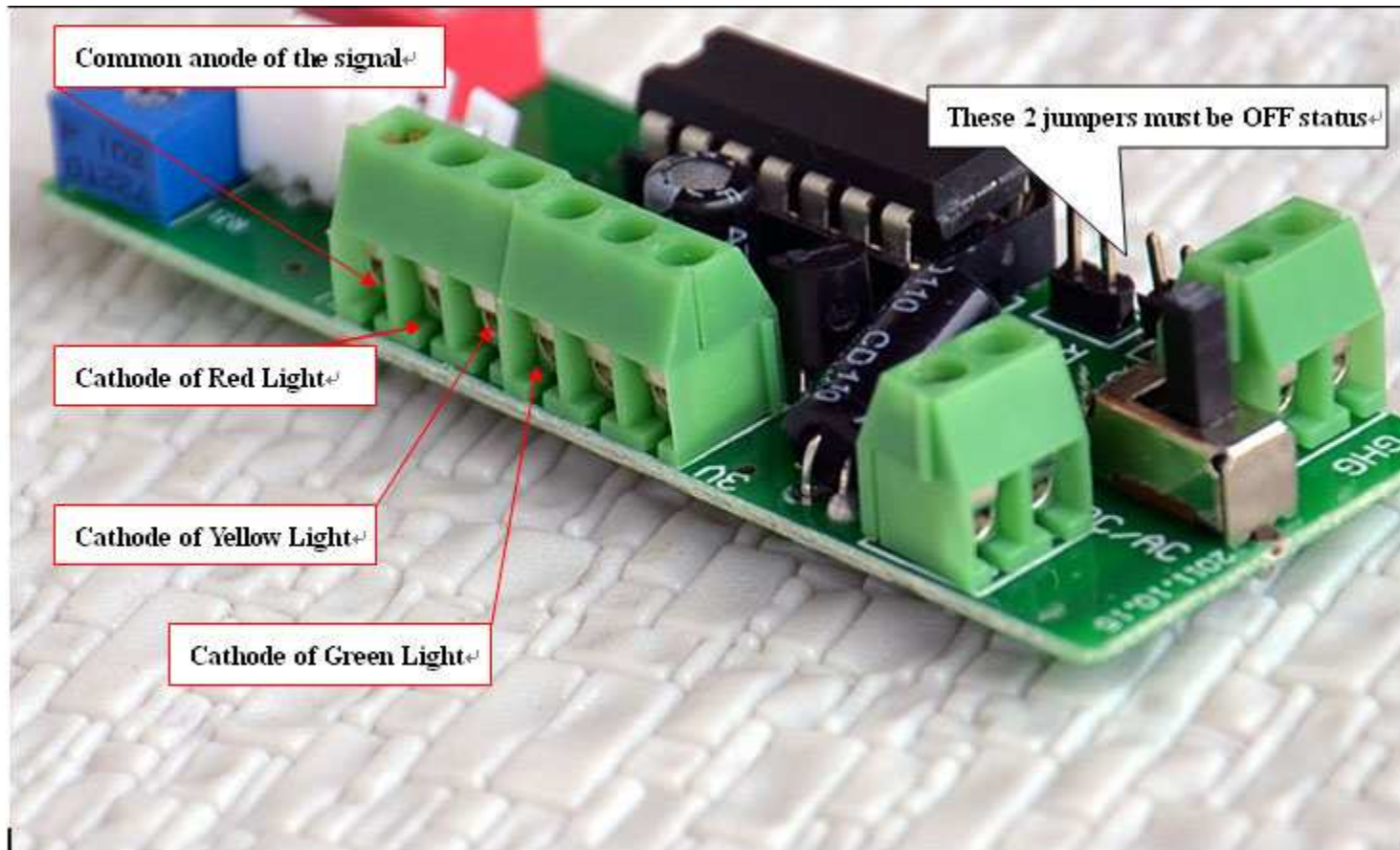


May place 2 pcs or more magnets to have stronger magnet

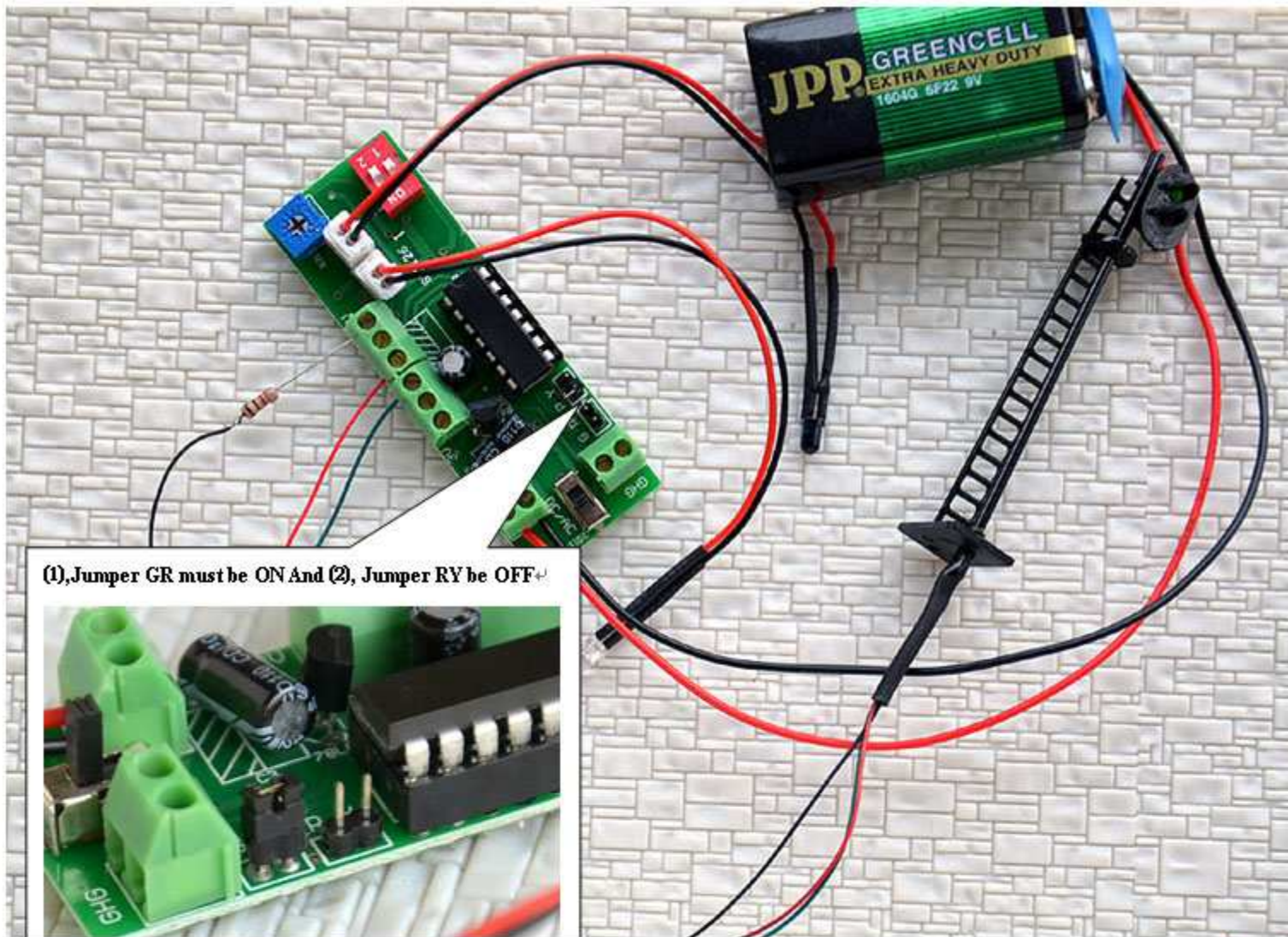




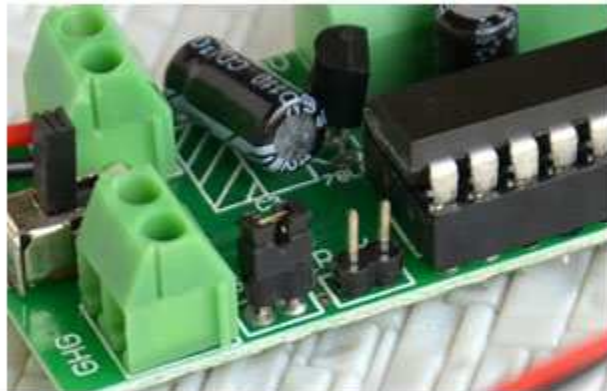
The **Green light** is normally ON, when the train covers the infrared (IR) sensor, or when the magnet on train active the reed switch, the **green light** turn off and the **yellow light** turn on, after a delay (adjustable), the **yellow light** turn off and the **red light** turn on, after another delay, the **red light** turn off and the **green light** turn on again.↵



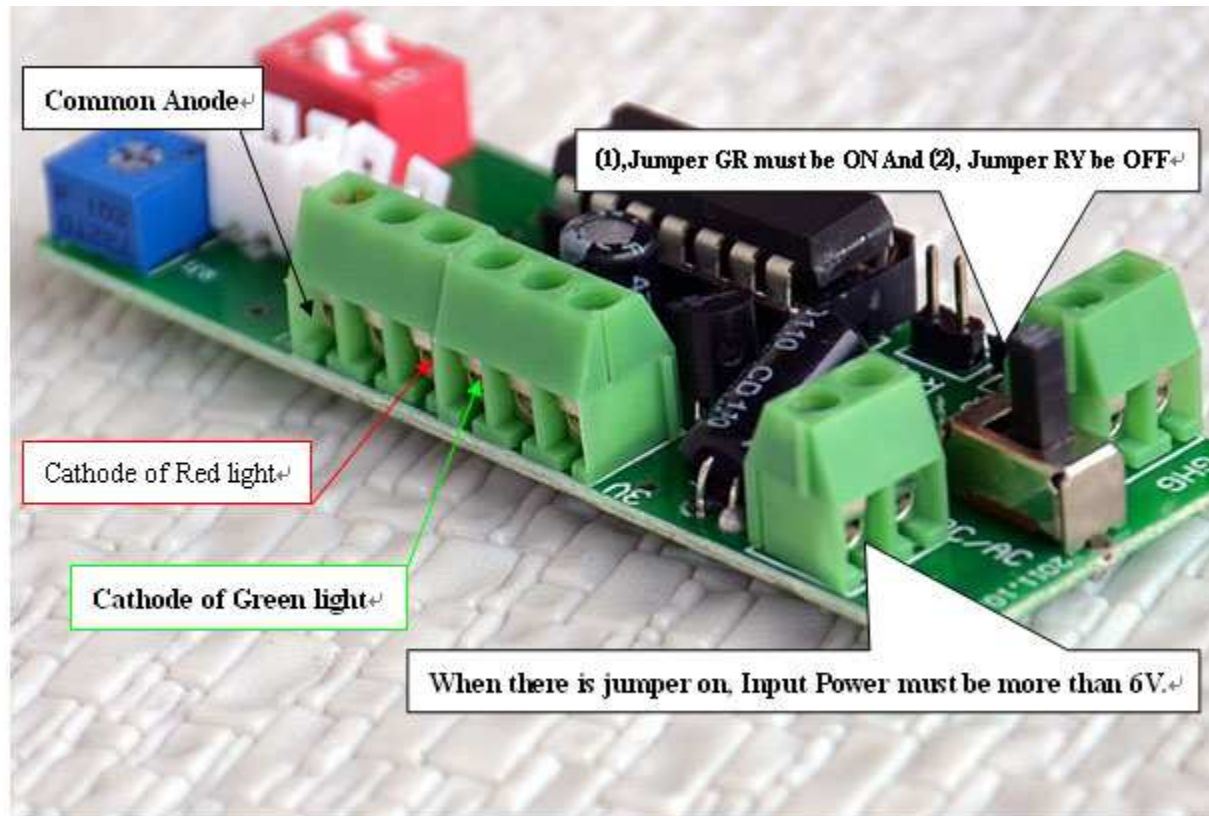
This page showed how to wire a 3 aspects signal with the Auto Delay Switch Board, the same to dwarf signal etc...



(1), Jumper GR must be ON And (2), Jumper RY be OFF.



The Green Light is normally on, when activated, the Green Light will be turned OFF and the Red Light will be turned ON at the same time, after a delay (adjustable), the Red Light will be turned OFF and the Green Light will be turned ON again automatically till next activation.



This page showed how to wire a 2 aspects signal with the Auto Delay Switch Board, the same to dwarf signal etc...