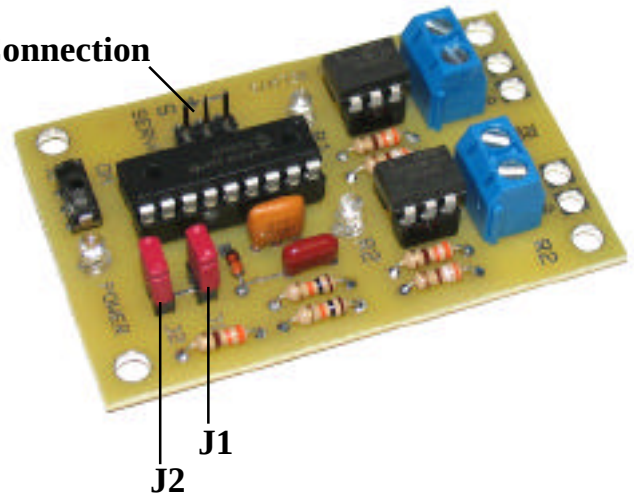
R/C Servo - Solid State Duo Relay Controller



Description:
This unique board allows the activation of 2 Solid State Relays (2 Amp) by using a standard RC joystick or PWM Signal (1ms-2ms). There are 4 modes of operation that are selected by the placement of 2 **jumpers** (**J1** and **J2**). The board is powered by the +5V coming from the servo connector directly.

Mode 1: Pulse Mode (J1 and J2 OFF)
This mode is selected by **removing** both **jumpers J1** and **J2**. When the joystick is moved to the left, Relay 1 activates and stays activated as long as the joystick stays in the left position. When the joystick returns to the center position, the relay deactivates. When the joystick is moved to the right, Relay 2 is activated and stays activated as long as the joystick stays in the right position. When the joystick returns to the center position, the relay deactivates.

Mode 2: Toggle Mode (J1 ON only)
This mode is selected by placing the **jumper** on **J1**. When the joystick is moved to the left, Relay 1 is activated (toggled on) and stays on even when the joystick is returned to the center position. The relay is deactivated (toggled off) by moving the joystick to the left a second time. When the joystick is moved to the right, Relay 2 is activated (toggled on) and stays on even when the joystick is returned to the center position. The relay is deactivated (toggled off) by moving the joystick to the right a second time.

Mode 3: Double Pulse Mode (J2 ON only)
This mode is selected by placing the **jumper** on **J2** and removing the jumper from J1. In this mode, when the joystick is moved to either the right or left, both relays are activated at the same time and stay activated as long as the joystick is in the left or right position. As soon as the joystick returns to the center position, both relays are deactivated.

Mode 4: Double Toggle Mode (J1 and J2 ON)
This mode is selected by placing **jumpers** on **both J1** and **J2**. When the joystick is moved to either the right or left, both relays are toggled on and remain on when the joystick is returned to the center position. When the joystick is moved to either the right or left position a second time, both relays are toggled off.

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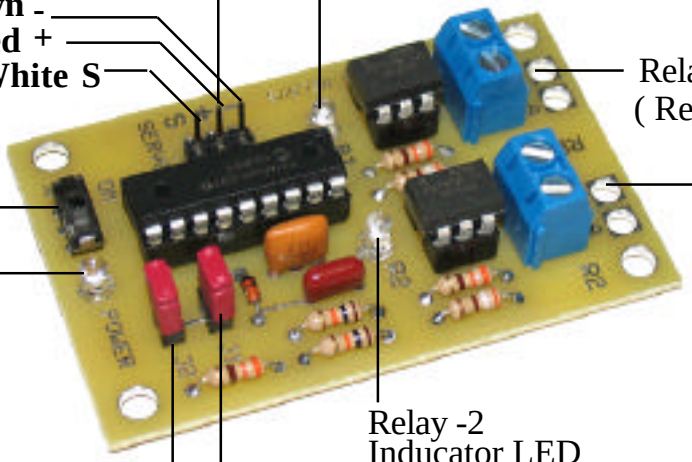
CAUTION

Check for Correct Connection S + -

Black / Brown -

Red +

Orange / Yellow / White S



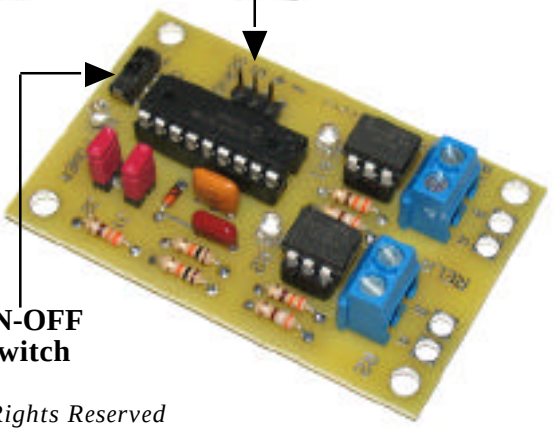
R/C Transmitter and Receiver

Servo Output

- OR -

Wizard - 11 Controller

Servo Output



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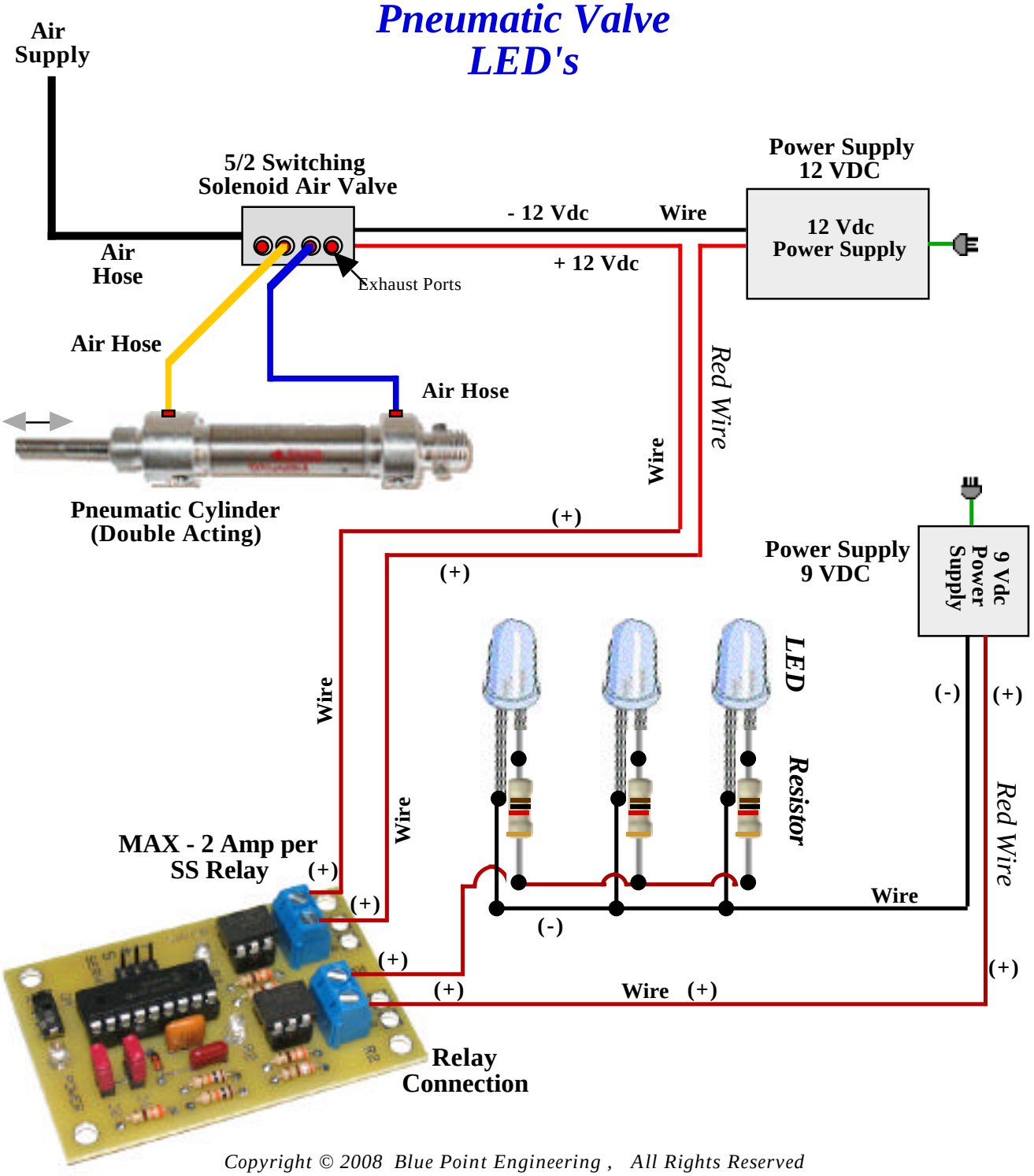
Application Examples

Pneumatic Valve
LED's



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