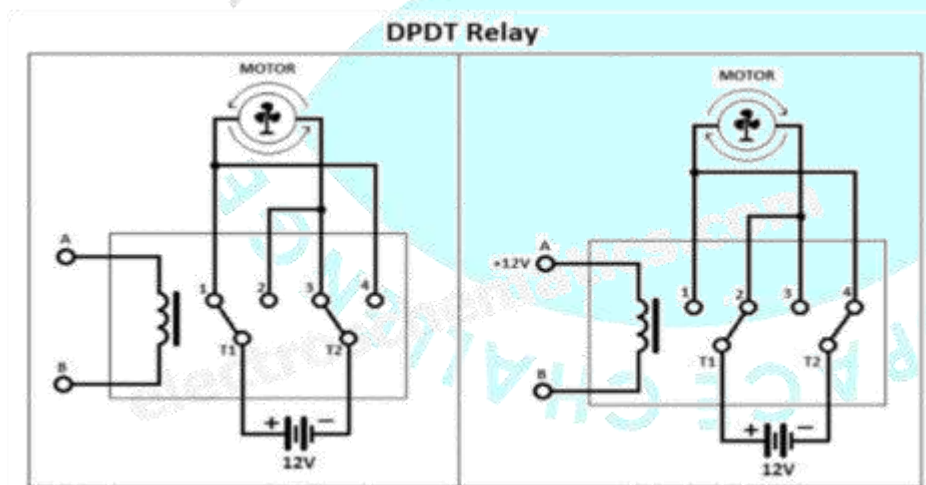
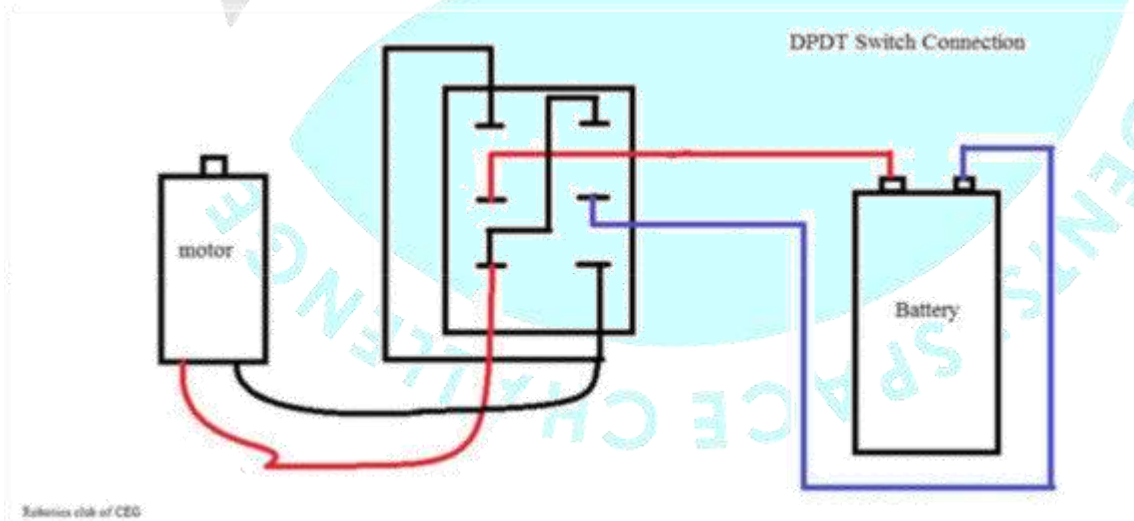
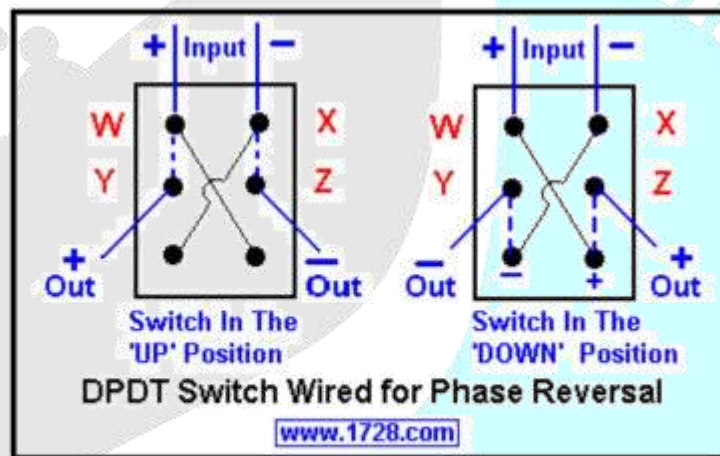


DPDT(Double Pole Double Throw) Switches

The DPDT relay (Double Pole Double Throw) is quite interesting and can be used in various scenarios, including for changing the direction of a motor as you can see in the picture below. It has 2 terminals and 4 connectors and you can look at the DPDT relay as the equivalent of 2 Single Pole Double Throw SPDT relays.



As you can see in the schematic the 12V battery (or use other voltages) is connected with the plus at terminal T1 and minus at terminal T2. The contact 1 and 4 are connected together as 2 and 3 are too.



Without voltage applied to the coil the battery plus is connected to contact 1 (and 4) and minus to 3 (and 2) therefore the motor is turning in one direction (let's say clockwise). When voltage is applied to the coil then the relay switches and now T1 (plus) is connected to contact 2 (and 3)

and T2 (minus) is connected to 4 (and 1) therefore the motor is changing the direction of rotation.



Contact :

MOHIT DHARIWAL +91-9933992777

AYUSH KANWAR +91-8768702045