

EXPERIMENT 7

CONTROLLING THE ROTARY ACTUATOR USING ELECTRICAL PUSH BUTTON SWITCH IN METER CIRCUIT

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Aim

To study the control the rotary actuator using electrical push button switch in meter in circuit.

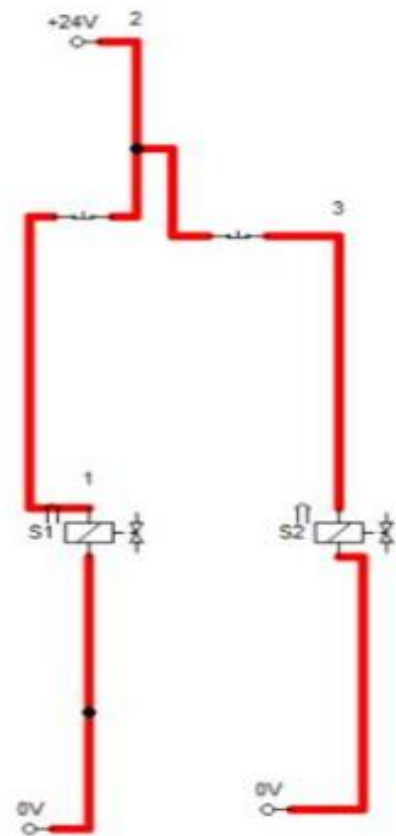
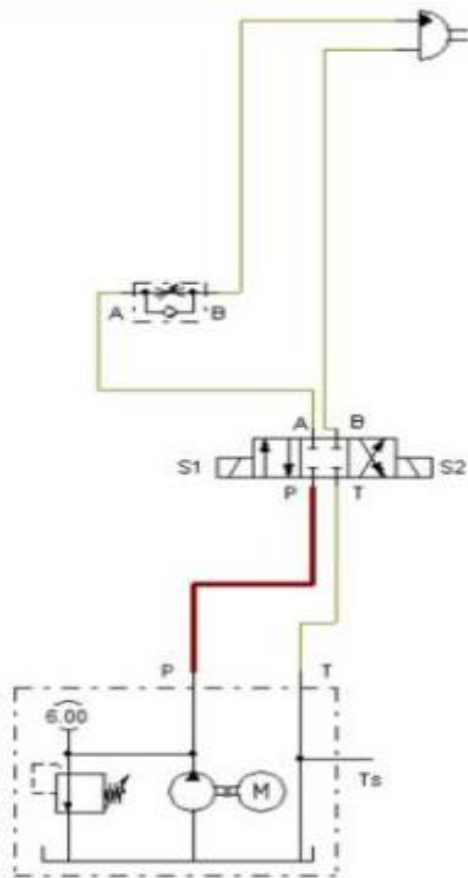
APPARATUS REQUIRED

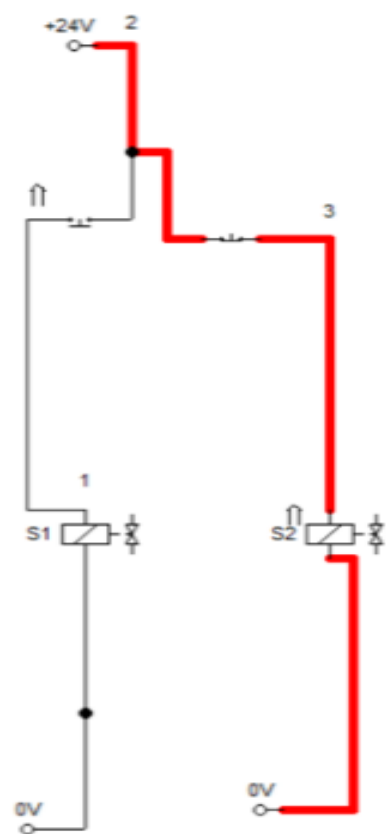
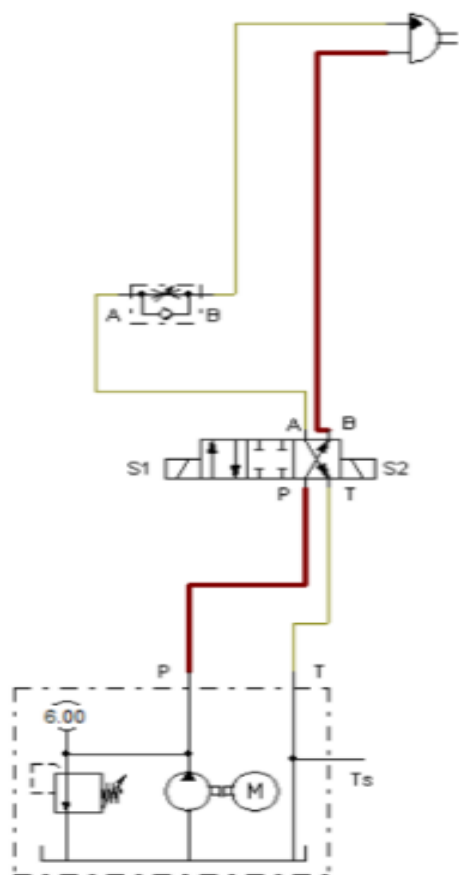
1. Pump unit.
2. Push button.
3. 4/3 Double Solenoid Valve.
4. Rotary actuator.
5. One way flow control valve.

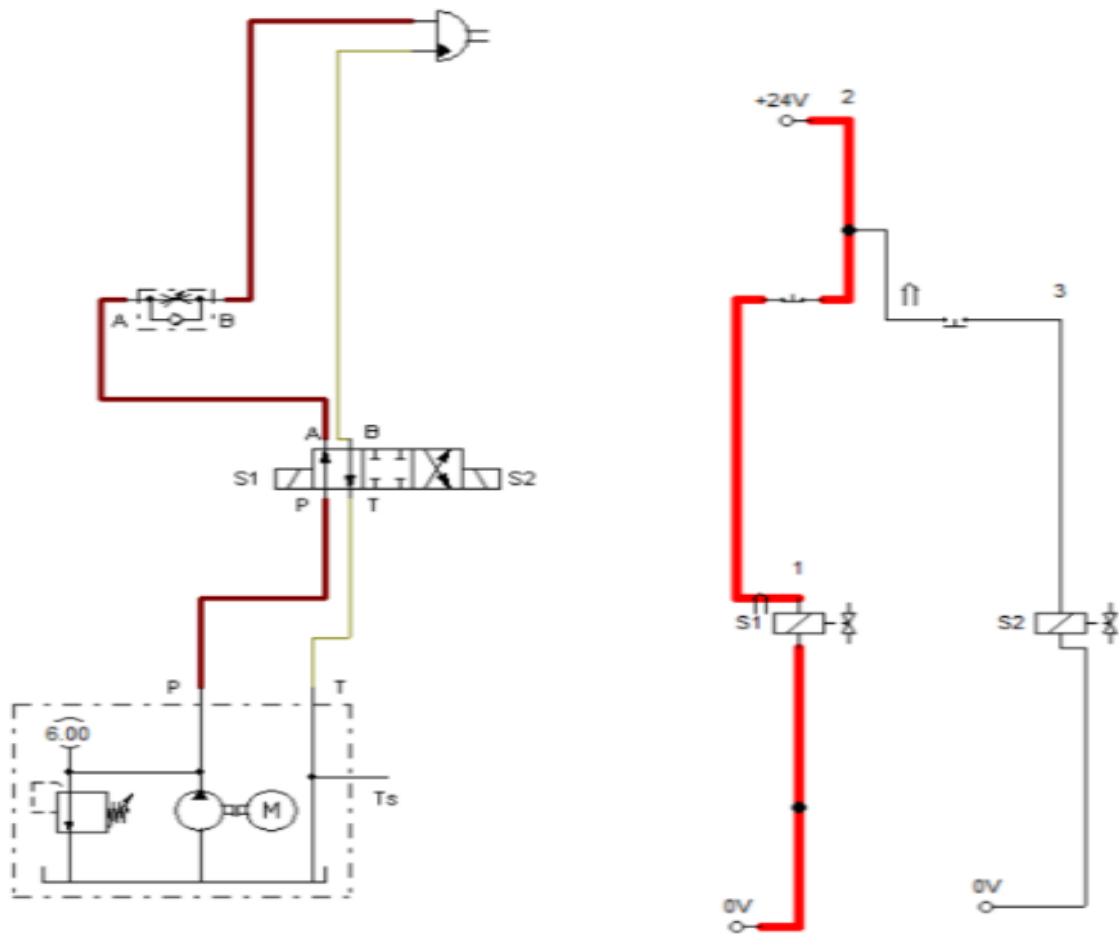
PROCEDURE

1. Make the connections based on circuit diagram.
2. Switch ON the Hydraulic Unit.
3. When the push button in Forward direction is pressed on the solenoid valve (S1) will be activate.
4. Then the oil will flow the one way flow control valve, then the rotary actuator rotates the forward direction.
5. When the push button in Reverse direction is pressed on the solenoid valve (S2) will be activate.
6. Then the oil will flow to rotary actuator and then the rotary actuator rotates the reverse direction.

Circuit drawn:







RESULT

The control the rotary actor using electrical push button switch in meter in circuit was experimentally studied.