



#### LIST OF EXPERIMENTS

1. Introduction of Relay and Contactor.
  2. Introduction of Proximity Sensor, Capacitive & Photoelectric Sensor, Limit Switch.
  3. Introduction to Pressure Switch, Electrical Counter, ON Timer & OFF Timer.
  4. Operation of single acting cylinder with single sol. valve and single limit switch.
  5. Operation of double acting cylinder with single sol. valve and single limit switch.
  6. Continuous operation of double acting cylinder with single solenoid valve and two limit switches.
  7. Operation of double acting cylinder with single solenoid valve, AND gate of electrical switches.
  8. Operation of double acting cylinder with single solenoid valve, OR gate of electrical switches.
  9. Operation of double acting cylinder with single solenoid valve, NOR gate of electrical switches.
  10. Operation of double acting cylinder with single solenoid valve, NAND gate of electrical switches.
  11. Operation of double acting cylinder with double solenoid valve.
  12. System pressure will be maintained in specified pressure limit with pressure switch.
  13. Operation of double acting cylinder with single solenoid valve with ON time delay.
  14. Operation of double acting cylinder with single solenoid valve with OFF time delay.
  15. Continuous operation of double acting cylinder with specified no. of cycles using Counter.
  16. Sequencing of Two Cylinders. Cycle is Cylinder A Extends, Cylinder B Extends, Both Cylinder retracts Simultaneously.
- A+, B+, (A-, B-). , Sequencing of Two Cylinders. Cycle is Cylinder A Extends, Cylinder B Extends, Cylinder A retracts then Cylinder B retracts. A+, B+, A-, B-

#### SALIENT FEATURES

1. Self combined mobile unit.
2. Only electrical supply required.
3. All the components are easily accessible.
4. Real life components of reputed manufacturers provided.
5. Quick connections possible due to special fittings/pipes.
6. Tried and tested components and circuits.
7. Specially designed electrical control panel enabling students to develop their own electrical circuits.
8. Completely user friendly and highly interactive software provided with PC based Trainer.
9. Modular design with facilities to operate simple mechanisms.
10. Pneumatically operated models available as additional supply.
11. Training of Trainers offered at regular intervals.
12. Two years performance guarantee for any manufacturing defects.

Note: Specifications are subject to change.

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