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#### **Product Name:**

**Universal Motor Speed Control** 

#### **Product Code:**

NLAB-ELECTRICALAB190004



## **Description:**

**Universal Motor Speed Control** 

## **Technical Specification:**

**Universal Motor Speed Control** 

Universal Motor Speed Control To perform the following experiments:

- Half wave controller without feed back
- Half wave controller with feed back
- Half wave controller high torque at low speed version skip cycling operation
- Full wave controller using triac and demonstrating hysteresis effects improved by gate slaving techniques

#### Features:

The board consists of following built-in parts:

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- 1. SCR and TRIAC for the speed control of the universal motor.
- 2. Two potentiometers.
- 3. Two capacitors to control firing angle of thyristors.
- 4. DIAC and two Nos. of diodes.
- 5. A Universal motor of 1/12 H.P. or less capacity.
- 6. Snubber circuit in parallel with the triac, which helps in improving the Dv/Dt of the device and also helps in reducing the RFI.
- 7. Adequate no. of other Electronic Components.
- 8. Mains ON/OFF switch, Fuse and Jewel light

# **Naugralabequipments**

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