

VIJAYANTA

VIJAI ELECTRONICS
28/147, CIVIL LINES
ROORKEE - 247667



STUDY OF SINGLE PHASE A.C. VOLTAGE REGULATOR **TRAINER USING TRIAC,** MODEL - AVC - 104.

FEATURES :

- ** Power Supplies (Regulated, Continuously Variable and Short – circuiting proof), suitable for the experimental board are built in.
- ** Circuit is printed and component are mounted being in the decorated bakelite sheet.
- ** Two TRIAC mounted inside the panel.
- ** Patch cords suitable to the terminals are supplied with the board for the easy inter connections and longer working life of terminals.
- ** A complete working manual containing theory, circuit details and operating instructions, is supplied with the experimental board.
- ** A ON / OFF switch with indicating lamp is provided.
- ** Input Supply : 220 Volt, Single Phase, 50 Hz A.C.

EXPERIMENT :

1. To study of single phase A.C. Voltage Regulator with Resistive Load and Inductive Load.
2. Triac Phase Control.

OTHER APPARATUS REQUIRED :

1. A General purpose C.R.O.
2. Multimeter.
3. Lamp Load. (Builtin)
4. Inductive Load. (Optional as a fan, socket builtin the board).