

VIJAYANTA**VIJAI ELECTRONICS**
28/147, CIVIL LINES
ROORKEE - 247667

STUDY OF AN INTEGRATED CIRCUIT TIMER, MODEL - 555.

The Model - 555 Timer is a highly stable integrated circuit capable of functioning as an accurate time - delay generator and a free running multivibrator. When used as an oscillator the frequency and duty cycle are accurately controlled by only two external resistors and a capacitor, some of its important features are timing micro - seconds through hours, monostable and astable operation, trigger and reset inputs are logic compatible, and output compatible with CMOS, DTL and TEL (when used with 5, Volt Power Supply).

The set - up consists of 555 I.C. with facilities for convenient connections at the board, a Power Supply, builtin facilities for various type of trigger - variable frequency, variable voltage, and manual. The resistors and capacitors required are mounted on the board.

The set - up is provided with a booklet which contains its description, theory of operation and other technical details to perform various experiments with this set - up.

THE FOLLOWING STUDIES CAN BE CARRIED OUT :

1. Operation as a free running Multivibrator.
2. Operation as a monostable Multivibrator.
3. Operation as a preset time delay.

The set - up is complete in all respects.