

UJT Trigger Circuits (Half-Full)



Product Categories: [Electronics](#), [Engineering Equipment](#), [Power Electronics Lab](#), [Power Electronics Lab](#)

Product Page: <https://www.labappara.com/product/ujt-trigger-circuits-half-full/>

Product Description

UJT Trigger Circuits (Half-Full)

UJT Triggering

There are various methods of triggering. Here we are going to see how the SCR can be triggered with the help of Resistor, resistor and capacitor, then by UJT (Uni-Junction Transistor). Triggering method vary with this and output waveform.

FEATURES

Consists of three types of basic firing circuit to trigger SCR

Separate sections for UJT firing circuit

One potentiometer used to vary the firing angle of UJT firing circuit

UJT circuit

1:1 Pulse transformer used for pulse isolation in UJT firing circuit

One no. of SCR with Snubber circuit forms half wave controlled converter circuit for checking all three firing circuit.

Separate inbuilt power supply for R, RC and UJT triggering unit

Power ON indication Switch for power circuit and triggering module.

All the important points are terminated with banana connector for monitor/measure/ study the signals using any one of measuring equipments.

EXPERIMENTS

Design of firing scheme for SCR using UJT method

TECHNICAL SPECIFICATION

Kit Working voltage : (220-240)VAC

Input Voltage : 110 V AC

Input Current : 2A

Frequency : 50/60Hz

BUNDLE CONTENTS

UJT Triggering Circuit

Patch cards

6A power supply card

3A Fuse (Extra)

Manual

100W Lamp