



**Sciencetech 2715** is a platform which is very useful for Students to understand the concept of TRIAC firing method & working of speed control of motor using TRIAC by two different firing circuits methods. Sciencetech 2715 contains inbuilt power isolation circuit to observe high voltage output signal on any Oscilloscope. This platform is provided with inbuilt AC/DC power supplies & exhaustive learning material.

### Features

- Built in AC/DC Power Supply
- On board two firing circuits
- Firing angle control: 0 to 180 degree
- Isolation between SCR power circuit and firing circuit

### Scope of Learning

To study speed control of

- AC Motor using DIAC Triac firing scheme.
- AC Motor using Ramp & pedestal firing scheme.

### Optional :

Simtel Power Electronics Simulation Software

### Technical Specifications

**On board firing circuits :**

DIAC firing circuit

Ramp & Pedestal firing circuit

**Pulse transformer** : PT4502, 1:1

**Mains Supply** : 220V/110V, 50 Hz / 60 Hz

**Universal motor specifications** : Single Phase-1 / 8 Hp

**Product Tutorial** : Online on [www.SciencetechLearning.com](http://www.SciencetechLearning.com)

**Dimensions (mm)** : W 420 x D 255 x H 100

**Weight** : 1 Kg. (approximately)

**Operating Conditions** : 0-40°C, 85% RH

**Included Accessories** : BNC – BNC cable-1 no.

Mains cord-1 no.

AC Motor-1 no.