

Single Phase Under Voltage & Over Voltage Relay Training System

Introduction

Under Voltage & Over Voltage Relay Training System is intended for advanced practical training in protective devices regarding transmission lines, cables and network sections in power systems lab. A Relay is an electrically operated switch use an electromagnet to operate a switching mechanism mechanically.

Relays protect the power distribution equipment against continuing voltage sags that are detrimental to motors, ballasts, etc. It provides theoretical and practical experience to students by controlling, monitoring and analyzing individual relay settings and tripping characteristics.



** Shown image is just for illustration original may differ

Product Features

- Microcontroller based digital measuring instruments for accurate results
- Electromechanical relay to understand internal mechanism and its working
- Equipped with supply indication Lamp
- Tripping function settings
- Front board consist of MS Material with power coating / epoxy paint to avoid any rust
- Separate auxiliary supply to actuate digital measuring devices
- Specially designed BS10 Terminals and patch cords for electrical safety
- Earthing screw provided at the back side of the control set-up
- Product is provided along with protection fuses, colored patch cords, single phase cords, User's manual having theory operating procedure with connecting diagram, FAQ, Glossary, etc

Technical Specifications

Mains Supply : 230V ±10%, 50Hz

Single Phase Variac

- Input : 230V
- Output : 0-270V
- Current : 0-5A

Over Voltage Relay

- Normal Voltage : 110V AC, 50Hz
- Voltage Setting : 121V, 126.5V, 132V, 137.5V, 143V, 148.5V, 154V
- Contacts : 2 N/O, 1 N/C

Under Voltage Relay

- Normal Voltage : 110V AC, 50Hz
- Voltage Setting : 44V, 51.3V, 58.6V, 65.9V, 73.2V, 80.5V, 88V
- Contacts : 1 N/O, 2 N/C

Experiments Can be performed:

- To study the operating performance of Over Voltage Relay with different plug settings
- To study the operating performance of Under Voltage Relay with different plug settings

Supporting Accessories supplied with Product

- Patch Cords of different color scheme
- Single/Three Phase Mains Cord
- Extra Glass Fuses
- Operating Manual (softcopy)

****Please feel free to share your queries or requirements by filling your details in ask query section or request a Quote section on the website, we will be happy to cater your requirement.**