



46618 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. 46618 provides theoretical and practical experience to students by controlling, monitoring and analyzing individual relay settings and tripping characteristics. This product provides detailed representation of power transmission system which helps the students to perform experiments with minimal supervision. It also includes built-in variable supply and fast response graphical LCD display which makes the measurement system very precise.

### Features

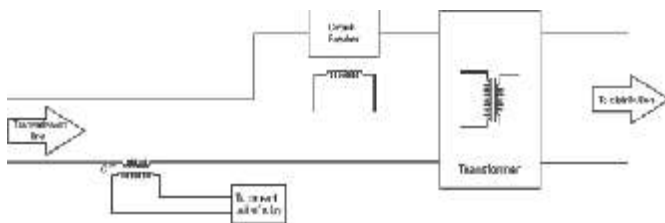
- Alphanumeric 16 x 2 Big Font LCD for better visibility
- Electromechanical relay to understand internal mechanism and its working
- Inbuilt Single Phase Variac with isolation
- Tripping function settings
- Exclusive and attractive design
- Diagrammatic representation of relay connection in transmission line
- Designed by considering all the safety standards
- Learning material CD
- 2 Year Warranty

### Scope of Learning

- 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

### Technical Specifications

Mains Supply	: 230V $\pm$ 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, 143V, 137.5V, 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
Dimensions (mm)	: W 830 x D 350 x H 645
Weight	: 48kg (approximate)



For understanding the role of relays in real time transmission system here a circuit of transmission line is provided from source to distribution with proper placing of all its require components



Note: Specifications are subject to change.

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