

# Single Phase Over Current Relay Training System



\*\* Shown image is just for illustration original may differ

## Introduction

Single Phase Over Current Relay Training System is a useful learning product for electrical laboratories. Over Current Relay monitors general balanced overloading and have current/time settings. These settings determine the protective schemes. The relay is IDMT type which has different tripping time characteristics with different current conditions. These are classified in accordance with their characteristic curves which indicate the speed of tripping operation. The typical settings for relay are 0.5-2 Amp. Over Current Relay Testing System is an ideal platform to enhance education, training, skills & development amongst our young minds.

## Product Features

- Electromechanical relay to understand internal mechanism and its working
- Inbuilt automatic timer
- Microcontroller based digital measuring instruments for better accuracy
- Inbuilt Current Source Diagrammatic representation for the ease of connections
- 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

<b>Mains Supply</b>	: 230V $\pm$ 10%, 50Hz
<b>Rheostat</b>	: 110ohm, 5A
<b>Single Phase Variac</b>	
Input	: 230V
Output	: 0 - 270V
Current	: 0 - 5A
<b>Over Current Relay</b>	
Make	: Alstom
Type	: Inverse Time
Normal Voltage	: 110V AC, 50Hz
Current Setting	: 0.5A, 0.75A, 1A, 1.25A, 1.50A, 1.75A and 2A
CT Secondary	: 1A
<b>Measuring Instruments</b>	
Digital Voltmeter	: 300V
Digital Ammeter	: 10A
Digital Timer	: 10mSec - 90min

### **Experiments Can be performed:**

- To study the IDMT Over-Current Relay & its applications
- To study and use plug setting multiplier
- To study and use time setting multiplier

### **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.**