

Single Phase Earth Fault Relay Training System

Introduction

Single Phase Earth Fault Relay Training System is designed to provide exposure of protection device used to prevent faults in electrical circuits due to earth leakage current. The protection of electrical system is required to maintain any device in operation without failure. There are various types of protective devices used in Power Systems. The knowledge of protective devices helps to use them smartly and avoid system breakdown.

The Earth Fault Relay detects the leakage current well before they cross threshold limit. It provides complete learning platform related with the connection of Earth Fault Relay in transmission line and testing of Earth Fault Relay.



** Shown image is just for illustration original may differ

Product Features

- Inbuilt variable source
- Isolation transformer is provided for safe operation
- Exclusive and rugged designed panel
- 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 | : 230VAC \pm 10%, 50Hz |
| Variac | |
| Input | : 230V |
| Output | : 0-270V, 2A |
| Earth Fault Relay | |
| Make | : Alstom (Electromechanical Inverse Time) |
| Normal Voltage | : 110V AC, 50Hz |
| Plug Setting | : 0.5A, 0.75A, 1.0A, 1.25A, 1.50A, 1.75A and 2A |
| Rheostat | : 110 Ω , 5A |
| Display Measurement Unit | |
| Voltmeter | : 300V |
| Ammeter | : 10A |
| Timer Range | : 10mSec - 90min |
| MCB | : 6A (SPN) |

Experiments Can be performed:

- To study and verify the operating characteristics of Earth Fault Relay with different plug setting
- To study testing of Earth Fault Relay

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.**