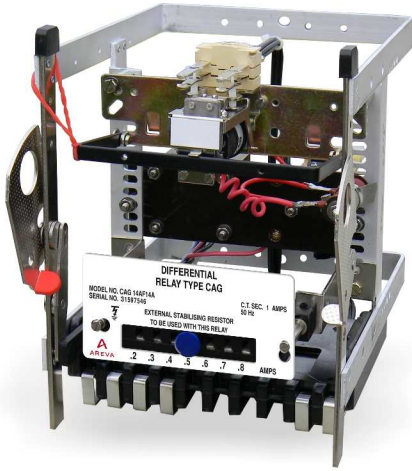




Differential Relay Training System

Nvis 7095



Nvis 7095 Differential Relay Training System is a very significant product from power System lab for Electrical students. Differential Relay has operating coil connected in series with small choke and capacitor forming a series resonant circuit. In a differential protection scheme Students can learn the phenomena of differential relay like Under normal conditions, or for a fault outside of the protected zone, current i_1 is equal to current i_2 . Therefore the currents in the current transformers secondaries are also equal, i.e. $i_1=i_2$ and no current flows through the current relay.

If a fault develops inside of the protected zone, currents i_1 and i_2 are no longer equal, therefore i_1 and i_2 are not equal and there is a current flowing through the current relay.

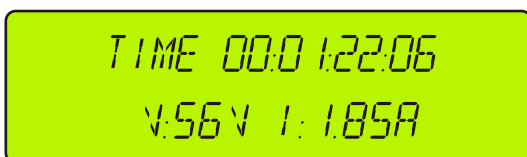
Features

- Inbuilt Variable Supply
- LCD Display with 16 x 2 large font for better visibility
- Fast display response
- Mains isolated supply for safety
- Designed by considering all the safety precautions
- Diagrammatic representation for the ease of connections
- Learning material CD

Scope of Learning

- To study and verify the operating Characteristics of Differential Relay with different plug setting

LCD Display Screen



Technical Specifications

Input Supply	: 230 ±10%V AC, 50Hz
Single Phase Transformer	
Input	: 230V
Output	: 24V
Current	: 3A
Single Phase Variac	
Input	: 230V
Output	: 0-270V
Current	: 0-2A
Differential Relay	
Type	: Differential Relay
Normal Voltage	: 110V AC, 50Hz
Current Setting	: 0.2A TO 0.8A
Operating Time	: 25 millisecond
Biasing	: Fixed Type
Dimensions (mm)	: W 830 x D 350 x H 645

Subject to change - Version 2.0

Designed & Manufactured in India by

Nvis Technologies Pvt. Ltd.

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