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Product Name :

Differential Protection Relay

Product Code :

SLE/EPS/08



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Description :

Differential Protection Relay (Product Code: SLE/EPS/08) is a desk-mounted relay moduleused to demonstrate the characteristics of three-phase differential protection in power systemprotection laboratories. Built around a Micom industrial relay in a robust enclosure with a carryinghandle, it lets lecturers and students program real relay settings and test them against faultcircuits. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, alaboratory instruments supplier in India for engineering colleges.

Specifications

Parameter	Detail
Purpose	Clearly shows the characteristics of three-phase differential protection
Relay	A Micom industrial relay forms the main part of the unit
Enclosure	Robust enclosure with carrying handle
Mounting	On the desk area of the Protection and Relay Test Set or other Power System product
System connection	Multi-core cable from the back of the relay to the Power System product
Test connections	4 mm shrouded sockets to the test circuits
Programming	Keypad and display on the relay module, or Micom S1 software on a suitable computer
Product code	SLE/EPS/08
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Differential Protection Relay Used For?

Differential protection compares the current entering and leaving a protected zone, such as a transformer or generator winding, and trips when the two no longer balance. This module lets students see that principle on real hardware: fault circuits are set up on the Protection and Relay Test Set or another Power System product, and the relay's response reveals the three-phase differential characteristic.

A typical session runs in three steps. First, mount the unit on the desk area and connect the multi-core cable from the back of the relay. Next, program the settings with the keypad and display, or from a suitable computer running Micom S1 software. Finally, link the 4 mm shrouded sockets to the test circuits and apply faults inside and outside the protected zone to compare the outcome.

What to Specify When Ordering

- The Protection and Relay Test Set or other Power System product the relay will mount on and connect to.
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