



Science Lab

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Product Name :

Circuit Breaker Trainer

Product Code :

SLE/EPS/06



Description :

- A variable transformer inside the unit works with the load to set and control the fault current in each of four circuits.
- Circuit two tests fuses and includes a 'fuse break' detector circuit.
- This uses lamps to show the students when each of the fuses breaks.
- To show students how industrial switching circuits work, each circuit includes a contact breaker, switched by an industrial standard discrepancy switch.
- Circuit one includes an additional adjustable residual current detector for experiments with different residual current faults.
- Each circuit has a different current protection device, including fuses, a magnetic only circuit-breaker, a thermal only circuit-breaker, and a thermomagnetic circuit-breaker.
- It includes a digital display and switches to help set the earth leakage fault current before the test.
- It shows the fault current and breaking time relationship for different fuse types.
- Circuit three also includes remote and local control keyswitches to switch its contact breaker and break the circuit.
- This helps to show how both a control room operator or a remote operator can switch a circuit on or off in a real installation.

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