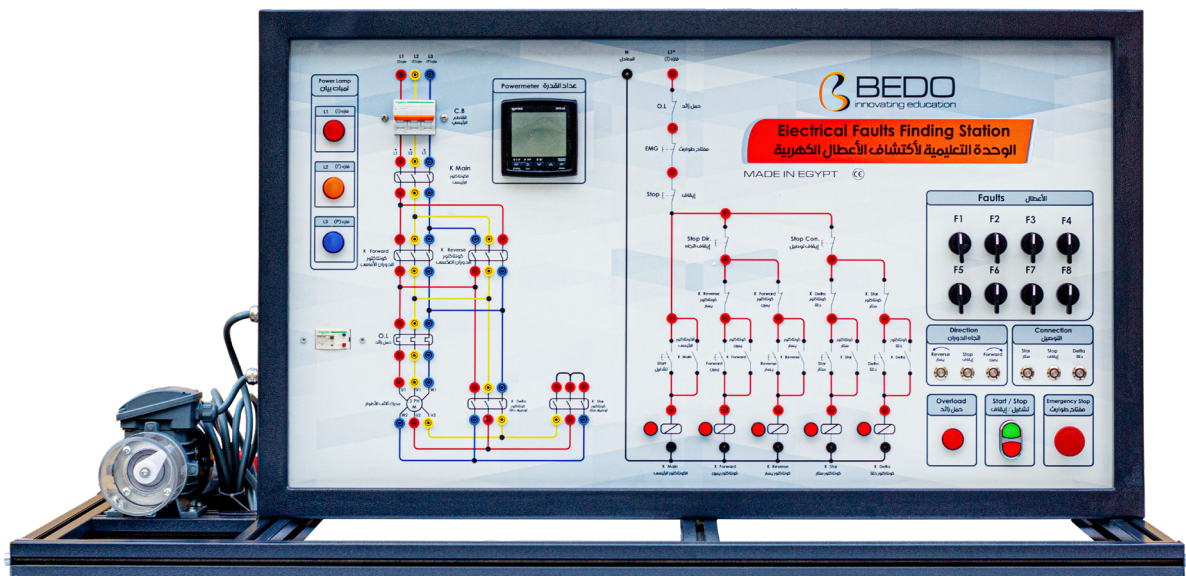


Electrical Faults Finding Station

Overview

The Electrical Faults Finding Station aims at demonstrating three phase motor star/ delta connections, electrical circuits to reverse the direction of a motor, and electrical interlock operation. The station simulates the most common faults occurs in motor connections to help students practice fault finding.



Specifications

- The Electrical Faults Finding Station aims at demonstrating the motor direction changing ways and how to implement and connect electrical circuits to reverse the direction of a motor.
- The station demonstrates the difference between and star/ delta connections of motors, and how to connect each of them and the common faults in each.
- The station also demonstrates the operation of electrical interlock.
- The station simulates common faults in motor connections to help students practice fault finding and maintenance.
- The unit includes faults switches to activate desired fault numbered from F1 to F8.
- The station's panel includes on/off switch, indication lamps, motor connections and measuring terminals, control switches for forward and reverse directions.

- The panel contained a schematic diagram for star and delta connection of the motor.
- The station is equipped with three phase motor to test the electrical circuits on.
- The station includes a three phase digital meter that automatically displays the voltage, current of the three phase motor.

- The unit is electrostatically painted and treated against rust.
- The station's panel includes safety components for students safety such as circuit breaker, overload and emergency switch.

Experiments

- Three Phase Motor Star Connection
- Three Phase Motor delta Connection
- Three Phase Motor forward Connection
- Three Phase Motor Reverse Connection
- Main contactor fault

- Forward Direction contactor fault
- Reverse Direction contactor fault
- Star connection contactor fault
- Delta connection contactor fault
- Single line fault
- Reverse connection fault

Components



1	Fault switches	2	Motor direction control
3	Emergency switch	4	ON / OFF switch
5	Overload indication lamp	6	schematic diagram for motor connection
7	Power Meter	8	Three phase indication lamp
9	Three phase motor		

Scope of Delivery

- Electrical Faults Finding Station (EL - 021)
- Hard copy user manual

Options

- Digital content (BI-01)