

# Low Voltage Switchboard Demonstrator (MCCB 400A)

EM-80-01-04-01

EDU-LABS



## Specifications

This is a standard industrial LV switchboard but specially adapted to function as a training unit. It enables switchgears, instrument and protective gears used in normal switchboard to be demonstrated and their functions explained. It is excellent practice units for students to study its circuitry, dismantle and reassemble component parts rewire. Compartment doors/covers are hinged and can be opened manually by finger-operated screws.

## TECHNICAL SPECIFICATION

- Input: 415VAC, 400A, 3-phase, 50Hz

## INCOMER PANEL

- 1 No MCCB 400A TPN, 25KA c/w Shunt Trip Coil
- Instruments :
  - 3 Nos 22mm Pilot Lamp (R/Y/B) Main Phase Lamp
  - 1 No Power Factor Meter, 415V
  - 1 No Ammeter, range 0 - 400A c/w Selector Switch
  - 1 No Voltmeter, range 0 - 500V c/w Selector Switch
  - 3 Nos 400/5A Class 3, 5VA C/T Coil (for Ammeter)
  - 1 No 400/5A Class 3, 5VA C/T Coil (for Power Factor Meter)
- Protective Devices :
  - 1 No Earth Leakage Relay
  - 1 No 400/5A ZCT

## **DISTRIBUTION**

- 2 Nos 60A MCB TPN, 25KA

## **CONSTRUCTION**

- Physical Size: Approx. 1300H X 1100W X 450D in mm
- Console: Heavy Sheet Steel
- Finish: Baked epoxy powder in matching grey & white
- Marking: Engraved / label printing legends

## **MANUAL**

- Instruction Manual with Schematic Diagram
- Experiments Manuals
- Model Answers

**Note: Due to products continuous development process, layout and specification may change without prior notices.**