

**Front Side View****Back Side View**

**Tesca Order Code - 46652** Switch Gear Assembly Area Trainer is an elite training system for the Electrical laboratories. The product helps you to get fully acquainted with the concepts and functioning of Switch Gear Assembly Area. The product is represented in such an easy way so that experiments can be studied differently in proper sequence. The varied scope of learning makes the subject understanding complete. The setup is complete in all respect and requires no other apparatus. Practical experience on this setup carries a great educative value for Science and Engineering students.

### Technical Specifications

The board consists of the following built-in parts:

01. AC/DC Ammeter 96X96 mm, 0-10A.
02. AC/DC Voltmeter 96X96 mm, 0-500V.
03. 4 Pole MCB: 10 Amp
04. Two 1 Pole MCB: 10 Amp
05. Audio Visual Continuity Switch.
06. Two Relay: Coil Voltage 230VAC with 4 NO & 4 NC Contacts (4 C/O)
07. Four Contactors: Coil Voltage 230VAC, Contact Rating 9Amp with 4 Auxiliaries, 2 NO & 2 NC Contacts
08. Two Timers: 230VAC with 4 NO & 4 NC Contacts (4 C/O)
09. Forward Push Button Switch
10. Stop Push Button Switch
11. Reverse Push Button Switch
12. Start Push Button Switch
13. Stop Push Button Switch
14. The unit is operative on 3 Phase 415V  $\pm 10\%$  at 50Hz AC Mains. 15 . All above equipment provided with 15A coloured terminals.
16. Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

### Features

01. Designed by considering all the safety standards.
02. Diagrammatic representation for the ease of connections.
03. Exclusive and compact design.
04. Enclosure powder coated panel with screen printed

Note: Specifications are subject to change.

### List of Experiments

1. Basic Study about all different switchgear components mounted on panel. (construction, wiring working, Applications etc.)
2. Implementing switchgears for different wiring and operation for industrial purpose.
  - 2.1. Basic logic circuit AND, OR, NOT, NO, NC connection using push buttons and relays.
  - 2.2. Basic latching connections using relay and PB.
  - 2.3. DOL Starter circuit design and test & analyzing. (Contactor, PB, Relays etc.)
  - 2.4. Star-Delta starter circuit design wiring, testing & analyzing.
  - 2.5. Forward - Reverse of motor circuit design wiring, testing & analyzing.
  - 2.6. Fault alarm wiring circuit with resetting.
  - 2.7. On delay operation off delay operation of relay component using different switchgear.

Note: Specifications are subject to change.

