SCIENTICO INDIA
Manufacturer & Exporter · Ambala, Haryana, India

PRODUCT DATA SHEET
Catalogue reference for product evaluation

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Industrial and Domestic Electrical Wiring Wall Training Kit | SC-EWW 1091

Category: TVET Equipments · **Order Code:** EWW 1091 · **Country of Origin:** India

Product Overview

The Industrial and Domestic Electrical Wiring Wall Training Kit SC-EWW 1091 is a wall-mounted trainer for electrical wiring practice. The panel is pre-drilled wood with a storage cabinet beneath it. The kit includes switches, sockets, lamps, energy meters, and conduit. A distribution board, RCCB protection, and insulated tools are also supplied. At least 2 pieces of every accessory are included, with a full bill of quantities.

View this product online: https://scienticoindia.com/product/industrial-and-domestic-electrical-wiring-wall-training-kit-sc-eww-1091/



Request a model-specific quotation
Include quantity and delivery country.

Technical Specifications

Industrial and Domestic Electrical Wiring Wall Training Kit SC-EWW 1091: Technical Specifications

Parameter	Specification
Panel supply	Lockable isolator, 30 mA RCD, emergency stop, live indicator; instructor key-switch release
Wires and cables	1, 1.5 and 2.5 mm² wire; 2 x 1.5 and 3 x 1.5 mm² cable
Accessories	1-way, 2-way, intermediate switches; double switch; sockets (US, German, universal, 3-pin 15 A, Jordan type); lamps 100 W, LED 12 W 3000 K and 7000 K; bell and buzzer; pendulum timer; single- and three-phase energy meters (disc and electronic); earth rod 14 mm with clamp; earth pit 20 x 20 x 20 cm
Conduit and boxes	20 and 25 mm conduit, clips, flexible adapters, bending springs; 10 m pulling spring; spiral hose 16 / 19 mm; 1-, 2-, 3-, 4-gang and junction back boxes
Protective devices	2-pole RCCB 16 A 30 mA; 4-pole RCCB 20 A 230/400 V 30 mA (IEC/EN 61008)
Distribution board	3-pole main MCB 63 A C, 6 kA; 3-pole sub MCBs 16-32 A; 6 x 1-pole MCBs 6-20 A; busbar, neutral and earth links; IP40 steel enclosure with DIN rail and ducts; glands PG13.5 / PG21; markers
Tools	7-piece insulated screwdriver set; 4-piece insulated plier set; soldering iron and solder

Technical Data

Panel Supply

- Lockable isolator

- 30 mA RCD
- Emergency stop
- Live indicator
- Instructor key-switch release

Wires and Cables

- 1 mm² wire
- 1.5 mm² wire
- 2.5 mm² wire
- 2 x 1.5 mm² cable
- 3 x 1.5 mm² cable

Accessories

- 1-way switch
- 2-way switch
- Intermediate switch
- Double switch
- US socket
- German socket
- Universal socket
- 3-pin 15 A socket
- Jordan type socket
- 100 W lamp
- LED 12 W 3000 K lamp
- LED 12 W 7000 K lamp
- Bell and buzzer
- Pendulum timer
- Single-phase energy meter (disc and electronic)
- Three-phase energy meter (disc and electronic)
- Earth rod 14 mm with clamp
- Earth pit 20 x 20 x 20 cm

Conduit and Boxes

- 20 mm conduit
- 25 mm conduit
- Clips
- Flexible adapters
- Bending springs
- 10 m pulling spring
- Spiral hose 16 mm
- Spiral hose 19 mm
- 1-gang back box
- 2-gang back box
- 3-gang back box
- 4-gang back box
- Junction back box

Protective Devices

- 2-pole RCCB 16 A 30 mA
- 4-pole RCCB 20 A 230/400 V 30 mA (IEC/EN 61008)

Distribution Board

- 3-pole main MCB 63 A C, 6 kA

- 3-pole sub MCBs 16-32 A
- 6 x 1-pole MCBs 6-20 A
- Busbar
- Neutral link
- Earth link
- IP40 steel enclosure with DIN rail and ducts
- Glands PG13.5
- Glands PG21
- Markers

Tools

- 7-piece insulated screwdriver set
- 4-piece insulated plier set
- Soldering iron and solder

Key Features

- **Wall Mounting:** wall-mounted wiring trainer on pre-drilled wooden panel
- **Industrial and Domestic Training:** covers both industrial and domestic wiring practice
- **Safety Protection:** lockable isolator, 30 mA RCD, emergency stop
- **Protective Devices:** 2-pole RCCB 16 A 30 mA, 4-pole RCCB 20 A 30 mA
- **Distribution Board:** 3-pole main MCB 63 A C, 6 kA
- **Storage:** cabinet with two shelves and transparent sliding door
- **Test Sockets:** insulated test sockets at top of unit
- **Energy Metering:** single- and three-phase energy meters, disc and electronic
- **Tool Set:** insulated screwdrivers, insulated pliers, soldering iron

Experiments

- Wiring a 1-way switch to control a 100 W lamp
- Wiring a 2-way switch to control one lamp from two points
- Wiring an intermediate switch arrangement with a lamp
- Connecting a single-phase energy meter and reading its output
- Connecting a three-phase energy meter to a supply load
- Testing the 30 mA RCD and RCCB trip operation
- Earthing a circuit using the earth rod and earth pit
- Wiring a sub-circuit from the 3-pole main MCB on the distribution board
- Connecting a bell and buzzer circuit
- Setting up the pendulum timer in a control circuit

Construction and Design

The Industrial and Domestic Electrical Wiring Wall Training Kit SC-EWW 1091 is mounted on a wall. The panel is pre-drilled wooden. A storage cabinet with two shelves sits beneath it. The cabinet has a transparent sliding door. Insulated test sockets are at the top.

Software

No software is included.

Scope of Delivery

- Wall panel with storage cabinet
- Complete accessory, cable and conduit set (min. 2 of each)
- Distribution board kit
- Tool set
- Bill of quantities
- English manual with wiring exercises

Key Features

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Ordering & Delivery

- Send the product name, quantity, delivery country and destination with your enquiry.
- Production schedule, freight, payment terms and export documents are confirmed in the written quotation.

Frequently Asked Questions

Q: What does the wall panel include?
A: A pre-drilled wooden panel, a storage cabinet with two shelves, a transparent sliding door, and insulated test sockets at the top.

Q: Are accessories supplied in multiples?
A: Yes, at least 2 pieces of every accessory are supplied.

Q: Does the kit include residual current protection?
A: Yes. It includes a 2-pole RCCB 16 A 30 mA and a 4-pole RCCB 20 A 230/400 V 30 mA (IEC/EN 61008).

Q: Is a bill of quantities provided?
A: Yes, a full bill of quantities is supplied with the kit.

Q: Is a manual included?

A: Yes, an English manual with wiring exercises is included.

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