



Technical Specifications

A] Flat Aluminum profile sturdy panel (table top) system, 5X3 modular structure, carrying various high voltage components housed in plastic enclosures (panel) to minimise shock possibility.

Input 3 phase DOL Starter panel (TMT1)

[10 Shrouded Banana]

- 4 pole MCB of 415 V/1A .
- DOL 9A Contactor with 230V / 50 Hz / 11VA COIL .
- Bimetallic thermal O/L relay with range 1.4A - 2.3A .

Lamp Load Panel (TMT7) X 2 nos

[12 Shrouded Banana]

- Each panel consists of 230V /15/40/60/100W X 3
- bulbs with individual ON/OFF using 6A toggle switch

1Phase MCB Isolator Panel (TMT 16D) [10

Shrouded Banana]

1Phase MCBs of 2A/ one lamp load, Earth Fault Resistor ELCB 30mA.

Contactor panel (TMT 27) X 3 nos

[28 Shrouded Banana]

- 9A Contactor with 230V / 50 Hz / 11VA COIL with 3 nos type power contact 2 NO & 2 NC addon Logic contact.

Over Load Relay Panel (TMT 28)

[17 Shrouded Banana]

- Bimetallic thermal O/L relay with range 440V/1.4A - 2.3A with 3 power contacts, One Tripe & Alarm contact

Push Button Panel (TMT 29)

[24 Shrouded Banana]

- Consists of Industrial grade Illuminated push button with one NO & one NC contact.
- Supports One Mushroom Switch, 4 nos of smaller type instruments grade push buttons with one NO & one contact.

3 Pole 7 way CAM Switch Panel (TMT 30)

[27 Shrouded Banana]

- Consists of 3 pole 7 way CAM switch connection brought out on Banana.

Proximity cum Limit switch Panel (TMT 31)

[6 Banana + 3 Shrouded Sockets]

- Consists of 2 nos of NPN type proximity sensors operated on 24VDC supply..
- Supports One change over type limit Switch with NO & NC contact.

Alarm Annunciator Panel (TMT 32)

[8 Shrouded Banana]

- Consists of four no potential free fault contacts.
- Supports four no of fault windows with flashing indication & Alarm annunciation.

24VDC Power Supply Panel (TMT 32)

[16 Banana Sockets]

- Input 230VAC, output 24VDC/2A.with extenders for connections.

Dual Timer Panel (TTP) [14 Shrouded Banana]

[14 Shrouded Banana]

- Consists of two nos of Individual Timers 24V operated supply coil.

• Each Timer Supports 2 NO & 1 NC contacts.

Relay Panel (TEP-03) [16 Banana Sockets]

• Consists of 8 nos of change over type relays with NO, NC & Common contacts for each with supply coil of 24VDC. Supports lamp LED lamp Indication for outputs.

- Optional 3 AC Squirrel cage foot mounted motor with 6 terminals brought out for star delta Expt.

List of experiments supported:

1. Study of components in electrical systems and their Operations.
2. Study of Hold ON Contact Logic.
3. Study of interlocking contact logics with trip indication.
4. Study of DOL starter logic.
5. Study of Star-Delta Logic
6. Study of phase reversal logic.
7. Study of Sequential logic to start motors in a process plant using timers & AA panel. Optional experiments with AC/DC drive, PLC
8. Study of Earth keakage fault and Tripping Threshold.

Note: Specifications are subject to change.

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