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01

Single Phase ELCB + MCB

MODELS

1A. EL+HC, 1B. EL+HLC, 1C. EL+DHLC



Advantages :

- Protect shock and leakage current
- Micro controller based technology,
- LED indication for operation status
- 7 Segment display for displaying voltage, ampere and leakage
- Provides security from high and low voltage
- Electronic over load protection up to 40 ampere
- Inbuilt auto restart facility after resuming power supply
- (90 second) protection against absence of phase or neutral
- Leakage Setable 0-50 mA
- High accuracy & long life durability
- Din-Rail mounting
- ABS plastic body with wall mounting

02

Three Phase ELCB + MCB

MODELS

2A. ELCB+32A, ELCB+63A
2B. ELCB+32A mini, ELCB+63A mini



Advantages :

- Protect from shock and leakage current
- Overload short circuit protection
- Leakage setable 0-100 mA
- Din-Rail mounting
- Powder Coated Sheet Metal Enclosure

03

Three Phase ELCB with High Voltage / Neutral Failure Protection

MODELS

3A. Double Shield - 32A, 63A



Advantages :

- Embedded System Technology
- Protect Humans Against Electrical Shocks
- High Voltage Protection with LED Indication
- Advance Neutral failure Protection Facility
- Overload / Short Circuit Protection through M.C.B
- Shunt Base M.C.B Tripping
- Bypass Facility with LED indication
- High Voltage / Neutral Cut-off Protection Even Work in Bypass
- Powder Coated Sheet Metal Enclosure

04

Over Voltage Protector

MODELS

4A. OVP



4A

Advantages :

- Microcontroller based technology,
- 7 Segment display for displaying voltage - ampere
- LED indication for operation status
- Provides security from high and low voltage
- High accuracy & long life durability
- Inbuilt auto restart facility after resuming power supply
- Protection against absence of phase or neutral
- ABS plastic body with wall mounting

05

Single Phase Electronic Starter

MODELS

5A. ZSW-T



5A

Advantages :

- Micro controller based technology
- Instant protection from high and low voltage
- Indication for on, high voltage, low voltage and over load
- Variable current (ampere) setting
- Auto / manual start facility
- Time delay facility
- ABS plastic body with wall mounting

06

Single Phase Digital Electronic Starter

MODELS

6A. NDS-CYC (MIN-MIN), 6B. NDS-CYC (SEC-SEC)



6A & 6B

Advantages :

- Embedded system technology
- Complete protection from high / low voltage
- Protect appliances from over load
- Dry run protection (optional)
- Time delay facility (surge protection)
- Cyclic & off timer
- 4 Digit 7 segment bright red LED display
- ABS plastic body with wall mounting

07

Single Phase Digital Dual AC Starter

MODELS

7A. DUAL-AC



7A

Advantages :

- Embedded system technology
- Complete protection from high / low voltage
- Protect appliances from over load
- Time delay facility
- Operate 2 AC one by one
- 4 Digit 7 segment bright red LED display
- ABS plastic body with wall mounting

08

Digital Time Switch

MODELS

8A. MPTS



8A

Advantages :

- Embedded system technology
- Highly accurate real time clock
- Manually on or off facility
- 4 Digit 7 segment bright red LED display
- On / Off timing programmable
- Weekly On / Off timing programmable
- 2 / 24 ON-OFF time facility
- ABS plastic body with wall mounting

09

Astronomical Time Switch

MODELS

9A. PRECISE



9A

Advantages :

- An Astronomical Timer can Automatically Set Time Based on Sunrise and Sunset.
- It can Manually Set Delay On-Off Time. (up-to 1 to 59 minute)
- Embedded System Technology.
- Highly Accurate Real-Time Clock.
- Manually On or Off Facility.
- 4 digit 7 Segments Bright Red LED Display.
- ABS plastic body with wall mounting

10

Single Phase Liquid Level Controller

MODELS

10A. LLC - 2, 10B. LLC - 2B,
10C. LLC - 2SR



10A

10B

10C

Advantages :

- Embedded system technology
- Ideal liquid management products
- Automatic control of starter according to set liquid/water level in tanks
- Saving of liquid/water and electricity
- LED indicators for water level in tank
- Available with s.s sensors / magnetic sensors / float switch
- ABS plastic body with wall mounting

11

Three Phase Liquid Level Controller

MODELS

11A. LLC-1, 11B. LLC-001



11A

11B

Advantages :

- Embedded system technology
- Ideal liquid management products
- Automatic control of starter according to set liquid/water level in tanks
- Saving of liquid/water and electricity
- LED indicators for liquid/water level in tank
- Available with s.s sensors / magnetic sensors / float switch
- Starter having micro controller based technology use (LLC-001D)
- ABS plastic body with wall mounting

12

Single Phase Motor Starter With Liquid Level Controller - For Open well Pump.

MODELS

12A. RE+LLC



12A

Advantages :

- Inbuilt run capacitor
- Embedded system technology
- Automatic control of starter according to set liquid/water level in tanks
- LED indicators for liquid/water level in tank
- Variable current setting
- 7 Segment led display for displaying volt & amp
- Over and under voltage protection
- Overload and dry run protection
- Available with s.s sensors / magnetic sensors / float switch
- Saving of liquid/water and electricity
- Powder coated sheet metal enclosure.

13

Single Phase Motor Panel With Liquid Level Controller - for Submersible Pump

MODELS

- 13A. ST + LLC (1 HP),
13B. ZSDP + LLC (1 HP, 1.5 HP, 2 HP & 3 HP)



13A



13B

Advantages :

- Embedded system technology
- Automatic control of starter according to set liquid/water level in tanks
- 7 Segment led display for displaying volt & amp
- LED indicators for liquid/water level in tank
- Electronic overload & dry-run protection
- Digital indication of fault condition
- Provides security from high and low voltage
- Inbuilt start and run capacitor
- Saving of liquid/water and electricity
- Powder coated sheet metal enclosure.

14

Single Phase MCB Panel

MODELS

- 14A. ZMP-VA (1 HP, 1.5 HP)
14B. ZMP-VA (2 HP)



14A



14B

Advantages :

- In built volt and ampere meter
- Overload protection through MCB
- Easy to operate
- Powder coated sheet metal enclosure.
- Inbuilt run & start capacitor

15

Single Phase MK - 1 Type Contactor Panel

MODELS

- 15A. ZCP+VA (1 HP, 1.5 HP, 2 HP & 3 HP)



15A

Advantages :

- In built volt and ampere meter
- Thermal overload protection
- MK - 1 type contactor
- Inbuilt run & start capacitor
- Current Range: 6-10, 9-14, 13-21 relay
- Powder coated sheet metal enclosure.

16

Single Phase Digital MCB Panel With Single Pole Contactor

MODELS

16A. GENIUS (1 HP, 1.5 HP, 2 HP & 3 HP)



16A

Advantages :

- 7 Segment led display for displaying volt & ampere
- Single Pole contactor for motor load
- Overload protection through MCB
- Inbuilt run & start capacitor
- Powder coated sheet metal enclosure.

17

Single Phase Digital Electronic Panel with Single Pole Contactor

MODELS

18A. E-LITE PLUS (1 HP, 1.5 HP, 2 HP & 3 HP)



18A

Advantages :

- Embedded system technology
- 7 Segment LED display for displaying volt & ampere
- Electronic overload & dry-run protection
- In built auto off timer (0-999 Minutes)
- Digital display of fault condition
- Provides security from high and low voltage
- Inbuilt start and run capacitor
- Powder coated sheet metal enclosure
- Single Pole contactor for motor load

18

Three Phase DOL Starter

MODELS

18A. MK - 1 DOL



18A

Advantages :

- Powder coated sheet metal enclosure.
- Thermal overload protection
- MK - 1 Type contactor
- Supply Voltage: 415 VAC $\pm$ 20%, 50HZ

19

Three Phase Electronic Motor Starter

MODELS

19A. ZTA 0.5-2.5 , 19B. ZTA 2-20



19A & B

Advantages :

- Current sensing unit
- Inverse current characteristics
- Electronic overload protection.
- Over & under voltage protection
- Phase failure protection.
- Reverse phasing protection
- Can be used up to 7.5Hp DOL motor/pumps
- ABS plastic body with wall mounting

20

Three Phase Digital Electronic Starter

MODELS

20A. ZDP Plus



20A

Advantages :

- Embedded system technology
- 7 Segment LED display for displaying volt & ampere
- Digital display of fault condition
- Electronic overload & dry-run protection
- Over & under voltage protection
- Phase failure & Reverse phasing protection
- Cyclic, off & delay on timer
- Current sensing unit
- Inverse current characteristics
- ABS plastic body with wall mounting

21

Three Phase Starter with Liquid Level Controller

MODELS

21A. DIGI WD+LLC



21A

Advantages :

- Embedded system technology
- 7 Segment LED display for displaying volt & ampere
- Digital display of fault condition
- Electronic overload and dry-run protection
- Over and under voltage protection
- Phase failure protection
- In built liquid/water level controller
- Current sensing unit
- Inverse current characteristics
- Can be used up to 7.5Hp DOL motor/pumps
- ABS plastic body with wall mounting

22

Three Phase Electronic Starter with Liquid Level Controller

MODELS

22A. ZDP+LLC



22A

Advantages :

- Embedded system technology
- 7 Segment LED display for displaying volt & ampere
- Digital display of fault condition
- Electronic overload and dry-run protection
- Over and under voltage protection
- Phase failure & reverse phasing protection
- In built liquid/water level controller
- Current sensing unit
- Inverse current characteristics
- Can be used up to 7.5Hp DOL motor/pumps

23

Three Phase Electronics Starter with Auto Automatic Phase Sequence Panel

MODELS

23A, ZDP-CO, 23B ZDP-CO(L)



23A & B

Advantages :

- Embedded System Technology
- Automatic Phase Sequence Correction Facility
- 7 Segment LED display for displaying volt & ampere
- Indications for Fault in Display
- Electronic Overload & Dry-run Protection
- Over & Under Voltage Protection
- Phase Failure Protection
- Voltage & Current Unbalance protection
- In-built Liquid/Water Level controller (model: - Corrector LLC)
- Inbuilt Cyclic Timer/ Off Timer
- Capacity: up to 7.5 Hp
- Body: Powder Coated Sheet Metal Enclosure

24

Three-Phase Electronics Starter for Dual Motor Panel

MODELS

24A. ZDP-DUAL(L)



24A

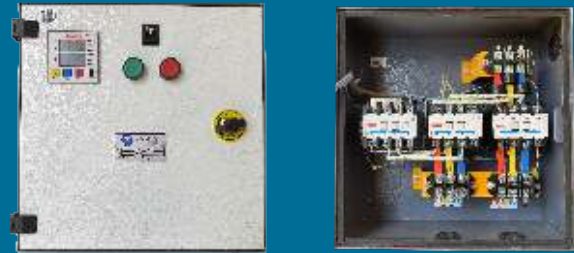
Advantages :

- Embedded System Technology
- Automatic Change Pump/Motor One by One
- Inbuild Digital Volt & Ampere Meter
- Indications for Fault in Display
- Electronic Overload & Dry-run Protection
- Over & Under Voltage Protection
- Phase Failure Protection
- Voltage & Current Unbalance protection
- In-built Liquid/Water Level controller
- Capacity: up to 7.5 Hp
- Body: Powder Coated Sheet Metal Enclosure

25 Three-Phase Star Delta Panel

MODELS

25A. ZT-101-DSD



25A

Advantages :

- Voltage: Three-phase 380 V to 415 V AC 50 Hz.
- ACH/AMU Type Contactor (Rated Up to 20 HP).
- High / Low Voltage Protection.
- Reverse Phase Protection.
- Overload Protection (1 to 80 Amp).
- Dry-run Protection (2 to 75 Amp).
- Cyclic Timer Provided with Bypass Facility.
- Delay Timer Provided with Bypass Facility.
- On Delay Timer and Off Delay Timer Provided.
- Auto Switch Provided with Bypass Facility. (Automatically Start The Unit when power is Restored).
- Auto Switch Timer Provided (Start the Unit With a preset Time after The Power is Restored, Timer Adjustable).
- Body: Powder Coated Sheet Metal Enclosure

26 Digital Ampere And Volt Meter

MODELS

26A. AVM T & AVM S



26A

Advantages :

- Micro controller based technology
- 7 Segment LED display for displaying volt & ampere
- Inbuilt C.T. / External C.T.
- Available in 230V / 415V AC
- Indication for phase through high bright LED
- Voltage indication rotate at fixed interval for different phase - neutral, phase-phase
- ABS plastic body with wall mounting

27 Single Phasing Preventer

MODELS

27A. SPP



27A

Advantages :

- Current rating 6A
- System voltage 415V AC, 3 phase 50/60hz
- Auto reset
- Voltage sensing unit
- Phase failure protection
- Reverse phasing protection
- Potential free contact (NO-C-NC)
- High accuracy
- Protect the pump and motor in MCC panels
- ABS plastic body with wall mounting

28

Single/Three Phase Auto Switch

MODELS

28A. Auto Switch (DOL)

28B. Single Phase Auto



28A

28B

Advantages :

- Voltage sensing unit
- Phase failure & reverse phasing protection
- Current rating 6A
- System voltage 415V AC 3 phase 50Hz
- Auto on after resumption of power supply (1Min.)
- Safely start the pump automatically after the electrical outage
- 1 min. on time delay
- Suitable for submersible single phase pumps (28B)

29

Fan Regulators

MODELS

Open Humfree
Switch / Socket Humfree
Switch / Socket Modular
Dimmers - 400W/600W/1000W/2500W



29A

Advantages :

- Saving of electricity bill
- Noise / Humfree fan regulators
- Available in different attractive models

30

LED Street Light

30A

Range: 20W, 24W, 36W, 50W, 72W, 100W, 120W



30A

Advantages :

- Better visual presentation
- Energy friendly
- Cost-effective
- Longer lifespan
- Mercury, lead and carbon emissions
- Heat, noise, IR and UV emissions
- Recyclable

31 LED Flood Light

31A.

Range: 20W, 30W, 50W, 100W, 150W, 200W, 250W



31

Advantages :

- Better visual presentation
- Energy friendly
- Cost-effective
- Longer lifespan
- Mercury, lead and carbon emissions
- Heat, noise, IR And UV emissions
- Recyclable

32 Motion Sensor

MODELS

32A. ME-01, 32B. ME-02W



32A

32B

- A motion detector is an electrical device that utilizes a sensor to detect nearby motion. Such a device is often integrated as a component of a system that automatically performs a task or alerts a user of motion in an area. They form a vital component of security, automated lighting control, home control, energy efficiency, and other useful systems.

33 Capacitor

33A. Fan Capacitor
33B. Motor Capacitors
33C. AC Capacitors



33 A to C

Advantages :

- As the motor starts running, it becomes faster and faster. When it reaches about 70 to 80 percent of its normal operating speed, the switch disconnects the starting capacitor. The run capacitor continues to work and improve the performance of the motor. These designs take advantage of the starting torque's efficiency.

34 Voltage Stablizers

34A.



34A

Advantages :

- Embedded system based DSP technology
- Smart controlling as its accuracy and efficiency of control is higher then analog models
- Intelligent time delay system
- Voltage range- 165-280, 130-280, 110-300 V AC
- Output range 200-245 V AC
- Wide operation voltage range
- Provides security from high and low voltage cut-off
- Protects your appliances from voltage fluctuations
- In built surge protection
- Powder coated sheet metal enclosure.
- Capacity 0.5, 1 to 10 kva

35 Single Phase Servo Controlled Stabilizer



Advantages :

- Embedded System DSP Technology SCV
- Improved Equipment Lifespan
- High- and low-voltage protection at input and output and Overload protection.
- The system can differentiate between Inrush & Error current.
- Overload retrieving feature after power off, to prevent unexpected damage to load.
- Short Circuit Protection Through MCB at Input.
- Body: Powder Coated Sheet Metal Enclosure
- Capacity 5, 10, 15, 20, 25, 30 KVA

Specification:

- Input voltage range single Phase: 180-280, 160-270, 130-280 V AC (As per Requirement)
- Output voltage range single Phase: 240, 230, 220 V AC
- System construction: Unbalanced type
- Output voltage regulation: $\pm 1\%$
- Sensitivity Range: 1 - 25V
- Cooling: Natural air-cooled
- Bypass Switch: Optional

36

Digital Servo Controlled Voltage Stabilizer



36A

Advantages :

- Embedded system based DSP technology SCV
- Digital display of voltage and current inbuilt in SCV
- Desired output voltage can be within range
- Over voltage and under voltage protection
- Overload short circuit protection through MCB/MCCB
- Phase failure & reverse phasing protection
- Capacity 10, 15, 20, 25, 30, 35, 40, 45, 50, 60, 75, 80, 100, 125, 300, 400, 500, 1000 KVA

Specification

- **Input voltage range 3-Phase:** 360-480, 340-480, 300-500 V (As per Requirement)
- **Input voltage range 1-Phase:** 160-270, 180-280, 130-260 V (As per Requirement)
- **Output voltage range 3-Phase:** 415, 400, 380 V
- **Output voltage range 1-Phase:** 240, 230, 220 V
- **System construction:** Unbalanced type
- **Output voltage regulation:** $\pm 1\%$
- **Overload capacity:** 120%
- **Correction speed:** 35 V/sec, 70 V/sec, 110 V/sec (Optional with D.C. motor)
- **Wave from distortion:** Nil
- **Output wave form:** True reproduction of input
- **Cooling:** Natural air cooled upto 100 Kva, above 100 oil cooled
- **Modes of system:** Both auto and manual
- **System construction:** As per IS:815-1 4

Application :

- CNC machines
- Biomedical equipment
- Textile machinery
- Pharmaceutical machinery
- Printing machinery
- Elevators
- Three phase motor applications
- Industrial, commercial & residential load



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