

ऑकलेग
OCLEG®
ELECTRONICS



Technology That
Energizes Functionality !

Company Profile

OCLEG CONTROLS, An ISO: 9001-2015 Certified Company Based In Ahmedabad Has Been A Pioneer And Leader In The Manufacturing Of Electronic Control And Switchgear Products. "OCLEG" Continues To Innovate And Improve Its Products With The Latest Technology. Quality, Prompt Delivery And Reliability Are The Most Important Aspects Of Our Company.

"OCLEG" Mission Is To Make Significant Contribution To The Life Quality Enhancement By Producing Innovative Electronic Equipments That Work With Improved Performance While Ensuring A High Degree Of Reliability.

Our Motto Is To Satisfy Our Valued Customers With Good Quality Of Products And Prompt timely Delivery Schedule.

We Are A Team Of Engineers And Technocrats Having Experience Of More Than 35 Years And Serving A Wide Spectrum Of Customers And Various Industries.

"OCLEG" Is Committed To Offer Our Customers Worldwide:

- **Uncompromising Quality**
- **Competitive Prices**
- **Prompt Delivery Schedules**
- **Excellent Service**

The Quality Products Of "OCLEG" are The Result Of Most Efficient State-of-the Art Production, Machinery And Most Modern Testing Laboratory To Ensure Complete Quality Assurance Of The Products With Strong Presence In National & International Markets.

Our Company Is Backed With A Robust Infrastructure Setup Consisting With Modern Machineries And All In-house Production Facility As Well As A Capable R&D, Logistics And Customer Care Department.



PRODUCT RANGE

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1.1 MCB SMART (MCB TYPE)

SPECIFICATION

- ▶ Digital Volt-Amp. Meter
- ▶ Only MCB Type Control Panel (No Contactor)
- ▶ Thermal Over Load Protection by MCB
- ▶ Start+Run Capacitor, Start / Stop Push Button
- ▶ Metal Box With Powder Coating

SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	MCB
1	1.0	100/120 MFD	36 MFD	10 A
2	1.5	150/200 MFD	72 MFD	16 A
3	2.0	200/250 MFD	72 MFD	20 A



- ▶ **Application :**
Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.

1.2 ECO - SMART (MCB WITH CONTACTOR TYPE)

SPECIFICATION

- ▶ Digital Volt-Amp. Meter
- ▶ With Power Contactor & MCB Type
- ▶ Overload Protection by MCB
- ▶ Start+Run Capacitor, Start / Stop Push Button
- ▶ Metal Box With Powder Coating



SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	MCB
1	1.0	100/120 MFD	36 MFD	10 A
2	1.5	150/200 MFD	72 MFD	16 A

- ▶ **Application :**
Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.

1.3 ELCW SMART (RELAY WITH CONTACTOR TYPE)

SPECIFICATION

- ▶ Digital / Analog Volt-Amp. Meter
- ▶ 2 Pole BCH Type Contactor & Thermal Relay
- ▶ Thermal Over Load Protection
- ▶ Start+Run Capacitor, Start / Stop Push Button
- ▶ Metal Box With Powder Coating

SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	RELAY RANGE
1	1.0	100/120 MFD	36 MFD	6-10 A
2	1.5	150/200 MFD	72 MFD	9-14 A
3	2.0	200/250 MFD	72 MFD	13-21 A
4	3.0	200/250 MFD	50+50 MFD	20-32 A

- ▶ **Application :**
Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.



1.4 i-SMART (MCB WITH CONTACTOR TYPE)

SPECIFICATION

- ▶ Digital / Analog Volt-Amp. Meter
- ▶ With Power Contactor & MCB Type
- ▶ Overload Protection by MCB
- ▶ Start+Run Capacitor, Start / Stop Push Button
- ▶ Metal Box With Powder Coating

SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	MCB
1	1.0	100/120 MFD	36 MFD	10 A
2	1.5	150/200 MFD	72 MFD	16 A
3	2.0	200/250 MFD	72 MFD	20 A
4	3.0	200/250 MFD	50+50 MFD	25 A

- ▶ **Application :**
Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.

2.1 i-PRO (DRY RUN TYPE)

SPECIFICATION

- ▶ Digital Volt-Amp. Meter
- ▶ Electronic Over Load & Dry Run Protection
- ▶ High Voltage Protection
- ▶ Automatically Set Overload & Dry-Run Setting By Pressing "SET" Key
- ▶ With Automatic "OFF-TIMER" Facility for 1-999 minute (optional)
- ▶ Start+Run Capacitor & Start/Stop Push Button

SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	RELAY RANGE
1	1.0	100/120 MFD	36 MFD	2-25 A
2	1.5	150/200 MFD	72 MFD	2-25 A
3	2.0	200/250 MFD	72 MFD	2-25 A
4	3.0	200/250 MFD	50+50 MFD	2-30 A



▶ Application :

Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.

2.2 ELCW - ALPHA (DRY RUN TYPE)

SPECIFICATION

- ▶ Digital / Analog Volt-Amp. Meter
- ▶ Electronic Over Load & Dry Run Protection
- ▶ Low/High Voltage Protection
- ▶ Automatically Set Overload & Dry-Run Setting By Pressing "SET" Key
- ▶ With Automatic "OFF-TIMER" Facility for 1-999 minute (optional)
- ▶ Start+Run Capacitor & Start/Stop Push Button



SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	RELAY RANGE
1	1.0	100/120 MFD	36 MFD	2-25 A
2	1.5	150/200 MFD	72 MFD	2-25 A
3	2.0	200/250 MFD	72 MFD	2-25 A
4	3.0	200/250 MFD	50+50 MFD	2-30 A

▶ Application :

Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.

2.3 EW-ALPHA (WITH AUTO START FACILITY)

SPECIFICATION

- ▶ Fully Automatic Electronic Control Panel
- ▶ Automatic Cutting of Start Capacitor after 2 Second
- ▶ Digital Volt - Amp. Meter
- ▶ Electronic Over Load & Dry-run Protection
- ▶ Low/ High Voltage Protection
- ▶ With Extra Facility of inbuilt Auto-switch
- ▶ Auto Start Your Pump After Resumption Of Power Supply (30 Sec. Time Delay)
- ▶ With Automatic "CYCLIC-TIMER" Facility (Optional)
- ▶ With Automatic "OFF-TIMER" Facility (Optional)



SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	RELAY RANGE
1	1.0	100/120 MFD	36 MFD	2-25 A
2	1.5	150/200 MFD	72 MFD	2-25 A
3	2.0	200/250 MFD	72 MFD	2-25 A
4	3.0	200/250 MFD	50+50 MFD	2-30 A

▶ Application :

Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.

3. SINGLE PHASE ELECTRONIC CONTROL PANEL (WITH AUTOMATIC WATER LEVEL CONTROLLER FACILITY)

3.1 JAL SANCHAY

SPECIFICATION

- ▶ Fully Automatic Electronic Control Panel
- ▶ Automatic Cutting of Start Capacitor after 2 Sec.
- ▶ Digital Volt - Amp. Meter
- ▶ Electronic Over Load & Dry-Run Protection
- ▶ Low/High Voltage Protection
- ▶ Inbuilt two tank " Water Level Controller" Facility



SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	MCB
1	1.0	100/120 MFD	36 MFD	2-25A
2	1.5	150/200 MFD	72 MFD	2-25A



▶ Application :

Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.

3.2 EW - ALPHA - LLC

SPECIFICATION

- ▶ Fully Automatic Electronic Control Panel
- ▶ Automatic Cutting of Start Capacitor after 2 Sec.
- ▶ Digital Volt - Amp. Meter
- ▶ Electronic Over Load & Dry-Run Protection
- ▶ Low/High Voltage Protection
- ▶ Inbuilt two tank " Water Level Controller" Facility



SR NO.	H.P.	START CAPACITOR	RUN CAPACITOR	MCB
1	1.0	100/120 MFD	36 MFD	2-25A
2	1.5	150/200 MFD	72 MFD	2-25A
3	2.0	200/250 MFD	72 MFD	2-25A
4	3.0	200/250 MFD	50+50 MFD	2-30A

▶ Application :

Submersible/Monoblock Pumpset For Drawing Water In Residence, Commercial, Farming, Gardening.

4. SINGLE PHASE OPENWELL PUMP STARTER

4.1 OSS-MCB (MCB TYPE)

SPECIFICATION

- ▶ Over Load Protection by MCB
- ▶ Only Run Capacitor
- ▶ Motor On Indication
- ▶ Weather Proof Plastic Enclosure

SR NO.	H.P.	RUN CAPACITOR	MCB
1	0.5	30 MFD	6 A
2	1.0	36 MFD	10 A
3	1.5	50 MFD	16 A
4	2.0	72 MFD	20 A



▶ Application :

Oil Filled Pump & Openwell Submersible Pump

4.2 DIGI-MCB (DIGITAL METER)

SPECIFICATION

- ▶ Digital Volt - Amp Meter
- ▶ Over Load Protection by MCB
- ▶ Motor On Indication
- ▶ Only Run Capacitor
- ▶ Weather Proof Plastic Enclosure



SR NO.	H.P.	RUN CAPACITOR	MCB
1	0.5	36 MFD	10A
2	1.0	36 MFD	10A
3	1.5	50 MFD	16A
4	2.0	72 MFD	20A

▶ Application :

Oil Filled Pump & Openwell Submersible Pump

4. SINGLE PHASE OPENWELL PUMP STARTER

4.3 DIGI-RE (ELECTRONIC TYPE)

SPECIFICATION

- ▶ Digital Display for Volt & Amp. Meter
- ▶ Only Run Capacitor
- ▶ Electronic Start/Stop Push Button
- ▶ Weather Proof Plastic Enclosure
- ▶ High Voltage & Low Voltage Protection
- ▶ Electronic Over Load Protection
- ▶ Dry-Run Protection (optional)
- ▶ With Automatic OFF-TIMER Facility (optional)

SR NO.	H.P.	RUN CAPACITOR	RELAY RANGE
1	0.5/1.0	36 MFD	2 - 25 A
2	1.5	50 MDD	2 - 25 A
3	2.0	72 MFD	2 - 25 A



▶ Application :

Oil Filled Pump & Openwell Submersible Pump



4.4 DIGI-RE LLC (WITH WATER LEVEL CONTROLLER)

SPECIFICATION

- ▶ Digital Display for Volt & Amp. Meter
- ▶ Only Run Capacitor
- ▶ Electronic Start/Stop Push Button
- ▶ Weather Proof Plastic Enclosure
- ▶ High Voltage & Low Voltage Protection
- ▶ Electronic Over Load Protection
- ▶ Dry-Run Protection (optional)
- ▶ With inbuilt Water Level Controller

SR NO.	H.P.	RUN CAPACITOR	RELAY RANGE
1	0.5/1.0	36 MFD	2 - 25 A
2	1.5	50 MDD	2 - 25 A
3	2.0	72 MFD	2 - 25 A

▶ Application :

Oil Filled Pump & Openwell Submersible Pump

5. THREE PHASE DOL MOTOR STARTER

5.1 DOL STARTER (MK-1 TYPE)

SPECIFICATION

- ▶ MK-1 type Contactor & Thermal Relay
- ▶ Thermal Overload Protection
- ▶ Powder Coated Sheet Metal Enclosure

SR NO.	H.P.	RELAY RANGE	CONTACTOR TYPE
1	3.0	6-10 A	MK-1
2	5.0	9-14 A	MK-1
3	7.5	13-21 A	MK-1
4	7.5 (Heavy)	13-21 A (DMC)	MK-1
5	10.0 (Heavy)	20-32 A (DMC)	MK-1



▶ Application :

Induction Motor, Three Phase Dol Monoblock/ Openwell Pump Set For Drawing Water in Residence, Commercial, Farming, Gardening Purpose.

5.2 OTW (ELECTRONIC TYPE)

SPECIFICATION

- ▶ Electronic Start/Stop Push Button
- ▶ Accurate overload Protection
- ▶ With Dry Run Protection (Optional) Model OTW-D
- ▶ Extreme High Voltage Protection
- ▶ Phase Failure Protection (SPP)
- ▶ Reverse Phasing & Unbalance Voltage Protection
- ▶ "Auto / Manual" Mode Selector Switch (Optional) Model OTA
- ▶ Auto Start Facility Provided with starting time delay
- ▶ Engineering Grade Plastic Enclosure
- ▶ Can Be Used Up to 7.5 Hp DOL Motor/Pumps.



SR NO.	H.P.	RELAY RANGE
1	3.0	4-10 A
2	5.0	8-20A
3	7.5	8-20 A

▶ Application :

Induction Motor, Three Phase Dol Monoblock/ Openwell Pump Set For Drawing Water in Residence, Commercial, Farming, Gardening Purpose.

5. THREE PHASE DOL MOTOR STARTER

5.3 ODP-306 (DIGITAL TYPE)

SPECIFICATION

- ▶ Digital Volt-Current Meter with C.T
- ▶ Accurate overload Protection
- ▶ With Dry Run Protection (Optional).
- ▶ Extreme High Voltage Protection
- ▶ Phase Failure Protection (SPP)
- ▶ Reverse Phasing & Unbalance Voltage Protection
- ▶ "Auto / Manual" Mode Selector Switch
- ▶ Auto Start Facility Provided with starting time delay
- ▶ Set Over Load/ Dry run Automatically by Pressing only "SET" key ("Auto-Set" System)
- ▶ Inbuilt "CYCLIC TIMER / OFF TIMER" Facility (Optional)

SR NO.	H.P.	RELAY RANGE
1	3.0	2-25 A
2	5.0	2-25 A
3	7.5	2-25 A



▶ Application :

Induction Motor, Three Phase Dol Monoblock/ Openwell Pump Set For Drawing Water in Residence, Commercial, Farming, Gardening Purpose.

5.4 ODP-306-LLC

(With Automatic Water Level Controller)

SPECIFICATION

- ▶ Digital Volt-Current Meter with C.T
- ▶ Accurate overload Protection
- ▶ With Dry Run Protection (Optional).
- ▶ Extreme High Voltage Protection
- ▶ Phase Failure Protection (SPP)
- ▶ Reverse Phasing & Unbalance Voltage Protection
- ▶ Set Over Load/ Dry run Automatically by Pressing only "SET" key ("Auto-Set" System)
- ▶ Inbuilt Automatic Water Level Controller Facility



SR NO.	H.P.	RELAY RANGE
1	3.0	2-25 A
2	5.0	2-25 A
3	7.5	2-25 A

▶ Application :

Induction Motor, Three Phase Dol Monoblock/ Openwell Pump Set For Drawing Water in Residence, Commercial, Farming, Gardening Purpose.

6. THREE PHASE DOL CONTROL PANEL

6.1 SMART PRO (RELAY TYPE)

SPECIFICATION

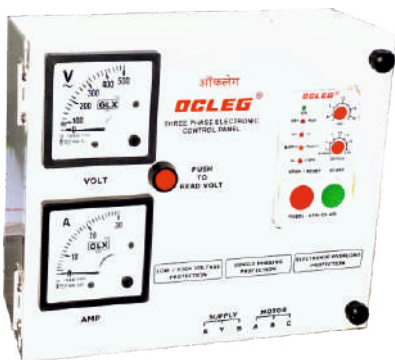
- ▶ Digital Volt-Amp. Meter
- ▶ Contactor & Thermal Relay Type
- ▶ Thermal Overload Protection by Relay
- ▶ Phase Failure Protection
- ▶ Inbuilt AUTO- SWITCH

SR NO.	H.P.	RELAY RANGE	CONTACTOR TYPE
1	3.0	6-10 A	MK-1
2	5.0	9-14 A	MK-1
3	7.5	13-21 A	MK-1
4	7.5 (HEAVY)	13-21 A	MU
5	10.0 (HEAVY)	20-32 A	MU
6	15 (HEAVY)	28-42 A	MU



▶ Application :

Induction Motor, Three Phase Dol Monoblock/ Openwell Pump Set For Drawing Water in Residence, Commercial, Farming, Gardening Purpose.



6.2 MONO SMART (ELECTRONIC TYPE)

SPECIFICATION

- ▶ Digital / Analog Volt-Current Meter with C.T
- ▶ Accurate overload Protection
- ▶ With Dry Run Protection (Optional)
- ▶ Extreme High Voltage Protection
- ▶ Phase Failure Protection (SPP)
- ▶ Reverse Phasing & Unbalance Voltage Protection
- ▶ "Auto / Manual" Mode Selector Switch (Optional)
- ▶ Auto Start Facility Provided with starting time delay
- ▶ Set Over Load/ Dry run Automatically by Pressing only "SET" key ("Auto-Set" System)
- ▶ Inbuilt " CYCLIC TIMER / OFF TIMER" Facility (Optional)
- ▶ Inbuilt Water Level Controller Facility (optional)

SR NO.	H.P.	RELAY RANGE
1	3.0	2-25 A
2	5.0	2-25 A
3	7.5	2-25 A

▶ Application :

Induction Motor, Three Phase Dol Monoblock/ Openwell Pump Set For Drawing Water in Residence, Commercial, Farming, Gardening Purpose.

6. THREE PHASE DOL CONTROL PANEL

6.3 PHASER (WITH AUTOMATIC PHASE CHANGE FACILITY)

SPECIFICATION

- ▶ Digital Volt-Current Meter with C.T
- ▶ Accurate Overload & Dryrun Protection
- ▶ Extreme High Voltage Protection
- ▶ Phase Failure Protection (SPP)
- ▶ With Automatic Phase Change Facility
- ▶ "Auto / Manual" Mode Selector Switch
- ▶ Auto Start Facility Provided with starting time delay
- ▶ Set Over Load/ Dry run Automatically by Pressing only "SET" key ("Auto-Set" System)
- ▶ Inbuilt " CYCLIC TIMER / OFF TIMER" Facility (Optional)

SR NO.	H.P.	RELAY RANGE
1	3.0	2-25 A
2	5.0	2-25 A
3	7.5	2-25 A



▶ Application :

Induction Motor, Three Phase Dol Monoblock/ Openwell Pump Set For Drawing Water in Residence, Commercial, Farming, Gardening Purpose.



SR NO.	H.P.	CONTACTOR (AMP)	RELAY RANGE
1	5.0 HP	18 A	2-45 AMP
2	7.5 HP	18 A	2-45 AMP
3	10 HP	20 A	2-45 AMP
4	15 HP	25 A	2-45 AMP
5	20 HP	32 A	2-60 AMP
6	25 HP	40 A	2-60 AMP
7	30 HP	65 A	2-100 AMP
8	40 HP	80 A	2-100 AMP
9	50 HP	95 A	2-100 AMP

6.4 DOL PANEL (WITH MPD-HEAVY DUTY)

SPECIFICATION

- ▶ Digital Volt & Current Meter
- ▶ Micro Controller Based Digital Technology
- ▶ Over Current & Under Current (Dry Run) Protection
- ▶ Over Voltage & Under Voltage Protection
- ▶ Phase Failure & Reverse Phasing Protection
- ▶ "Auto / Manual" Mode Selector Switch
- ▶ Auto Start Facility Provided After Resumption of Power Supply
- ▶ Working / Bypass Facility for Digital Controller (Emergency)
- ▶ Heavy Duty Power Contactors
- ▶ MCB Provided for Short Circuit Protection
- ▶ Attractive Metal box with Powder Coating
- ▶ Facility for Automatic Water Level Controller (Optional)

▶ Application :

Induction Motor, Three Phase Dol Monoblock/ Openwell Pump Set For Drawing Water in Residence, Commercial, Farming, Gardening Purpose.

7. STAR DELTA CONTROL PANEL

7.1 STAR DELTA CONTROL PANEL (ELECTRONIC TYPE)

SPECIFICATION

- ▶ Digital Volt-Current Meter With C.T
- ▶ All Protection Given by Digital Controller (Electronic Relay)
- ▶ Over Current & Under Current (Dry-Run) Protection
- ▶ Over Voltage & Under Voltage Protection
- ▶ Phase Failure Protection (SPP)
- ▶ Reverse Phasing & Unbalance Voltage Protection
- ▶ "Auto / Manual" Mode Selector Switch
- ▶ Auto Start Facility Provided With Starting time Delay
- ▶ Working / Bypass Facility for Digital Controller (Emergency)
- ▶ Set Over Current / Under Current Automatically by Pressing only "SET" Key ("Auto-SET" System)
- ▶ Heavy Power Contactors
- ▶ With Automatic Water Level Controller Facility (Optional)
- ▶ Motor On Indication
- ▶ Metal Enclosure with Powder Coating



SR NO.	MOTOR (H.P)	RELAY RANGE (AMP)	TYPE
1	10	2 - 45 A	FASD
2	15	2 - 45 A	FASD
3	20	2 - 60 A	FASD
4	25	2 - 100 A	FASD

▶ Application :

Three Phase Star Delta Motors Used in Farms / Pumping Station & Induction Motor

7.2 STAR DELTA CONTROL PANEL (RELAY TYPE)

SPECIFICATION

- ▶ Digital Volt - Current Meter with C.T
- ▶ Over Load Protection by Thermal Relay
- ▶ Phase Failure Protection (SPP)
- ▶ Reverse Phasing & Unbalance Voltage Protection
- ▶ "Auto / Manual" Mode Selector Switch
- ▶ With Inbuilt Auto Switch Provided
- ▶ Heavy Power Contactors
- ▶ Start / Stop push Button
- ▶ Motor On Indication
- ▶ Metal Enclosure with Powder Coating



SR NO.	H.P.	RELAY RANGE	TYPE
1	10	13-21 A	MU - FASD
2	15	13-21 A	MU - FASD
3	20	20-32 A	MU - FASD
4	25	28-42 A	MU - FASD

▶ Application :

Three Phase Star Delta Motors Used in Farms / Pumping Station & Induction Motor

8. AUTO SWITCH

SPECIFICATION

- ▶ Auto Restart your Pump After Resumption of Power Supply
- ▶ Phase Failure Protection
- ▶ Reverse Phasing Protection
- ▶ Engineering Grade Plastic Enclosure

SR NO.	MODEL	IMAGE
1	OCLEG DOL (STANDARD)	
2	DIGITAL WTF (PREMIUM)	
3	SINTEC DOL (ECONOMICAL)	
4	SEMI (FOR STAR DELTA STARTER)	
5	DOL (TIMER)	
6	1 PHASE AUTO SWITCH	

▶ Application :

For MCC Panels of Water Pump at Remote Farms, Unattainable Area

9.1 AVM, 3 PHASE

SPECIFICATION

- ▶ Digital Volt- Amp Meter With inbuilt C.T.
- ▶ R-Y-B Indication by Bright LED
- ▶ Indication Phase to Phase Voltage
- ▶ Indicates System Current
- ▶ Range : Up to 100 A



▶ Application :

3-Phase Control Panel For Water Pumps / Motors

9.2 VA METER, 1 PHASE

SPECIFICATION

- ▶ Digital Volt- Amp Meter
- ▶ Motor on Indication
- ▶ With Current Transformer (C.T)
- ▶ Range : 30 A / 50 A



▶ Application :

1-Phase Control Panel For Water Pumps / Motors

10.1 PHASE ELECTRONIC STARTER

10.1 OSW

SPECIFICATION

- ▶ Supply 230V, 1Phase, Ac Supply, 50Hz
- ▶ High/Low Voltage Protection
- ▶ Electronic Over Load Protection
- ▶ Variable Current (Amp.) Setting
- ▶ Engineering Grade Plastic Enclosure

SR NO.	MODEL	RELAY RANGE
1	OSW - 16	4-16 AMP
2	OSW - 108	14-22 AMP



▶ Application :

Domestic Pump, Induction Motor, Air-Conditioner, Television, Refrigerator, Domestic Flour Mill, Geyser and Cattle / Poultry Farm

10.2 OSW - T (WITH AUTO START FACILITY)

SPECIFICATION

- ▶ High/Low Voltage Protection
- ▶ Electronic Over Load Protection
- ▶ Auto Restart with Time Relay
- ▶ Variable Current (Amp.) Setting
- ▶ Auto / Manual Start Facility
- ▶ Engineering Grade Plastic Enclosure



SR NO.	MODEL	RELAY RANGE
1	OSWT - 16	4-16 AMP
2	OSWT - 108	14-22 AMP

▶ Application :

Domestic Pump, Induction Motor, Air-Conditioner, Television, Refrigerator, Domestic Flour Mill, Geyser and Cattle / Poultry Farm

10. 1 PHASE ELECTRONIC STARTER

10.3 OSW-D (DRY RUN TYPE)

SPECIFICATION

- ▶ Supply 230V, 1Phase, Ac Supply, 50Hz
- ▶ High/Low Voltage Protection
- ▶ Electronic Over Load Protection
- ▶ With Adjustable Overload & Dry Run Facility
- ▶ Engineering Grade Plastic Enclosure

SR NO.	MODEL	RELAY RANGE
1	OSWD - 20	2-20 AMP



▶ Application :

For 1 Phase Submersible Pump Set

10.4 DIGI OSW (DIGITAL)

SPECIFICATION

- ▶ Digital Volt Amp. Meter
- ▶ High/Low Voltage Protection
- ▶ Electronic Over Load Protection
- ▶ With "CYCLIC-TIMER" Facility (optional)
- ▶ Engineering Grade Plastic Enclosure



SR NO.	MODEL	RELAY RANGE
1	DIGI-OSW	2 - 25 AMP

▶ Application :

Domestic Pump, Induction Motor, Air-Conditioner, Television, Refrigerator, Domestic Flour Mill, Geyser and Cattle / Poultry Farm

11. AUTOMATIC WATER LEVEL CONTROLLER

11.1 LLC - 2 (DOMESTIC / OPEN WELL PUMP)

SPECIFICATION

- ▶ Supply 230V, 1 Phase, AC
- ▶ Suitable for Open Well Pump
- ▶ Also Used For Mono-Block & Domestic Pump
- ▶ Having only Running Capacitor type Starter

▶ Application :

MCC Panels of Water Pump In Hotels, House, High Rise Towers,
Housing Societies, Industries Commercial Complex, Municipal Water Stations



11.1 LLC - 2S (BOREWELL SUB. PUMP)

SPECIFICATION

- ▶ Supply 230V, 1 Phase, AC
- ▶ For Bore-Well Submersible Pump
- ▶ Suitable For Contactor / Relay Type & MCB type Panel
- ▶ Having Start & Run Capacitor type Panel

▶ Application :

MCC Panels of Water Pump In Hotels, House, High Rise Towers,
Housing Societies, Industries Commercial Complex, Municipal Water Stations



11.3 LLC-301 (3 PHASE)

SPECIFICATION

- ▶ Supply 415V, 3 Phase, AC
- ▶ For 3 Phase Submersible Pump / Motors

▶ Application :

MCC Panels of Water Pump In Hotels, House, High Rise Towers,
Housing Societies, Industries Commercial Complex, Municipal Water Stations



12. EARTH LEAKAGE CIRCUIT BREAKER (ELCB+MCB)

12.1 RAKSHAK

SPECIFICATION

- ▶ Electric Shock Protection
- ▶ Over Load & high-Low Voltage Cut-Off
- ▶ Short Circuit Protection by MCB
- ▶ With Surge Protection
- ▶ By Pass Facility
- ▶ Adjustable Leakage Current (mA) up to 50 mA
- ▶ Supply : 1 Phase 230V, 32 AMP

▶ Application :

Residential Purpose Like House, Hotel, Commercial Complex, High Rise Tower



12.2 i-GUARD (DIGITAL)

SPECIFICATION

- ▶ Digital Display for VOLT, AMP & Leakage Current
- ▶ High-Low Voltage Protection
- ▶ Overload & Leakage Current Adjustable
- ▶ Electric Shock Protection
- ▶ Bypass Facility
- ▶ Supply : 1 Phase, 230V, 30Amp

▶ Application :

Residential Purpose Like House, Hotel, Commercial Complex, High Rise Tower



12.3 RAKSHAK (3 PHASE)

SPECIFICATION

- ▶ Supply : 3 Phase 415V
- ▶ Over Load & High-Low Voltage Cut-Off
- ▶ Electric Shock & Short Circuit Protection
- ▶ Bypass Facility

▶ Application :

Residential Purpose Like House, Hotel, Commercial Complex, High Rise Tower, Industries, Offices



13. DIGITAL TIME SWITCH & CLOCK

13.1 OTS

SPECIFICATION

- ▶ Micro Controller Based Digital Technology
- ▶ Automatically Switch On/Off Your Appliance
- ▶ 2 Time / 15 Time On/Off Programme
- ▶ 500 Hours Battery Back Up
- ▶ LED Display For Unit On
- ▶ Engineering Grade Plastic Enclosure

▶ Application :

Ideal For Outdoor and Street Lighting Application (Industrial, Municipal Corporation, Metros, Panchayats, Housing Societies, Apartments)
Glow Sign Board Lighting / Hoarding Lights, Pumps / Motors



13.2 ASTROLEG

SPECIFICATION

- ▶ Astronomical Time Switch
- ▶ Automatic ON/OFF as Working on Sunrise & Sunset Time
- ▶ No Need to Set ON/OFF Time
- ▶ Display of Real Time Clock (RTC)
- ▶ Engineering Grade Plastic Enclosure

▶ Application :

Ideal For Outdoor and Street Lighting Application (Industrial, Municipal Corporation, Metros, Panchayats, Housing Societies, Apartments)



14. PHASE FAILURE RELAYS

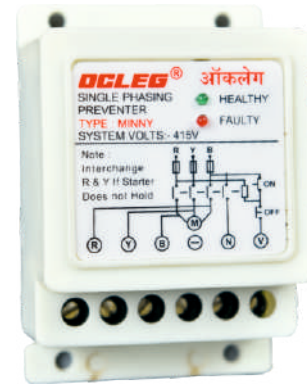
14.1 MINNY SPP

SPECIFICATION

- ▶ Voltage Sensing SPP Small In Size
- ▶ Phase Failure Protection
- ▶ Reverse Phase Protection
- ▶ Voltage Unbalance Protection

▶ Application :

MCC Panel of Water Pump and Lifts



14.2 NSV-CG

SPECIFICATION

- ▶ With Low/High Voltage Cutoff
- ▶ Phase Failure Protection
- ▶ Reverse Phase Protection
- ▶ Voltage Unbalance Protection

▶ Application :

MCC Panel of Water Pump and Lifts



15. MOTOR / PUMP PROTECTION RELAY

15.1 MPD

SPECIFICATION

- ▶ Micro-Controller Based Digital Technology
- ▶ Digital Volt-Amp Meter
- ▶ Electronic Overload & Dry-Run Protection
- ▶ High-Low Voltage Protection
- ▶ Phase Failure Protection (SPP)
- ▶ Reverse Phasing Protection
- ▶ Engineering Grade Plastic Enclosure
- ▶ Relay Range : 2-45A, 2-60A, 2-100A

▶ Application :

MCC Panel of Water Pump



15.2 PUMP PRO

SPECIFICATION

- ▶ Single Phasing Preventer
- ▶ Overload Protection
- ▶ Prod Less Dry-Run Protection
- ▶ Phase Failure Protection (SPP)
- ▶ Reverse Phasing Protection
- ▶ Relay Range : 8-20A, 16-40A, 32-80A

▶ Application :

MCC Panel of Water Pump



16.1 OT - 100 (TIMER)

SPECIFICATION

- ▶ On Delay Timer
- ▶ Adjustable 3-30 Sec.
- ▶ Engineering Grade Plastic Enclosure

▶ Application :

MCC Panels For Water Pump, Compressor, Generator, Air-Conditioner



16.2 SDT - 100 (STAR DELTA TIMER)

SPECIFICATION

- ▶ On Delay Timer
- ▶ Adjustable 3-30 Sec.
- ▶ Engineering Grade Plastic Enclosure

▶ Application :

MCC Panels For Water Pump, Compressor, Generator, Air-Conditioner



16.3 CYCLIK TIMER

SPECIFICATION

- ▶ Automatic ON/OFF
- ▶ Adjustable ON/OFF From 1-999 Minutes
- ▶ Engineering Grade Plastic Enclosure

▶ Application :

MCC Panels For Water Pump, Compressor, Generator, Air-Conditioner



17. OVER VOLTAGE PROTECTOR

17.1 OVP

SPECIFICATION

- ▶ Protect Your System From Over Voltage
- ▶ With Current Capacity of 40 AMPERE
- ▶ Supply : 1 Phase, 230V
- ▶ Engineering Grade Plastic Enclosure

▶ Application :

Homes, Office, Shop, Commercial Establishment



18. PHASE CHANGER FOR HOUSE

18.1 PHCH

SPECIFICATION

- ▶ In Absence of One Phase, Phase Changer Will Equally Distribute The Supply From Other Two Phase
- ▶ Fully Automatic Controlling Unit
- ▶ Generate Virtual Phase in Phase Failure Condition
- ▶ 10 Second time Delay Facility
- ▶ Overload And Short Circuit Protection
- ▶ Supply : 3 Phase, 415V

▶ Application :

Only For Homes, Office and Shopes



19. AUTOMATIC VOLTAGE CORRECTOR

SPECIFICATION

- ▶ Protect Your Appliances From Voltage Fluctuation
- ▶ Automatic Controls The Output Voltage if Voltage Comes Up Or Down
- ▶ Low-High Voltage Cut-Off Protection
- ▶ Time Delay System Available
- ▶ Wide Operating Voltage Range : 140-270V, 165-270V
- ▶ Output Voltage : 200-240V

▶ Application :

Television, Refrigerator, Air-Conditioner, Computer, Xerox Machine



20. SERVO CONTROLLED VOLTAGE STABILIZER

SPECIFICATION

- ▶ Protect Your Appliances From Voltage Fluctuation
- ▶ Automatic Controls The Output Voltage if Voltage Comes Up Or Down
- ▶ Low-High Voltage Cut-Off Protection
- ▶ Single Phasing Protection
- ▶ Time Delay System Available
- ▶ Wide Operating Voltage Range : 150-270V
- ▶ Output Voltage : 215V +/- 2%
- ▶ Powder Coated Sheet Metal enclore

▶ Application :

Industrial Machine and Residential Purpose



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