



Sun Electro Control Systems Pvt. Ltd.



Electrical Control Panel Manufacturers for more than Three Decades





About Us

An ISO 9001 accredited company having more than three decades of experience in design, manufacturing & supply of Electrical Control Panels used for Industries, commercial establishments, residential complex & OEMS. Managed by professionals having vast experience in the field of industrial automation & distribution systems.

The motto of our company is to satisfy the end user.





Products Range



LT Kiosks

Bus Ducts

Relay Panels

Feeder Pillars

Mimic Desks & Panels

PLC Automation Panels

DG Synchronizing Panels

Soft Starter Control Panels

AC & DC Distribution Boards

Andon System With PLC & HMI

Variable Frequency Drive Panels

Main Lighting Distribution Panel

Motor Control & Power Control Centers

Automatic Power Factor Correction Relay Panel



MCC & PCC Panels



PCC / PDB – Power Distribution Panels Used in Plants/Industries to distribute Power to Various Locations as per requirement. Using Safety devices such as ACB/MCCB/MCB/ELCB



Motor Control Center is an assembly of one or more starters in a compartmentalized or non-compartmentalised enclosure to control more than one motors from a central location .



Metering Panel & VFD Panel

Metering Panels are widely used for measuring power consumption.

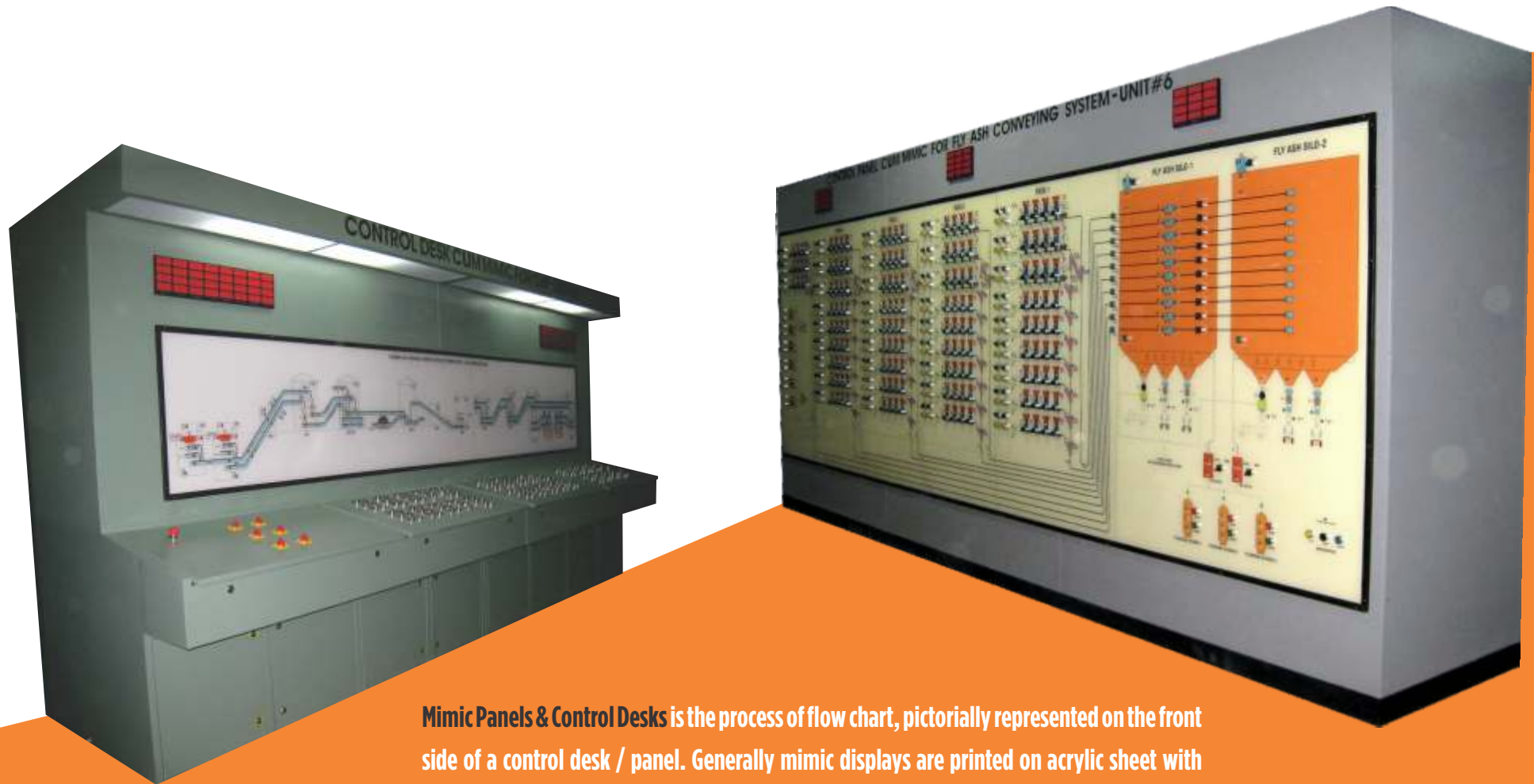


Variable Frequency Drive (VFD) panel are used for starting and controlling motor and its speed with varying frequency (Hz) and voltage. They are widely used in large machines like Conveyor and Compressor.





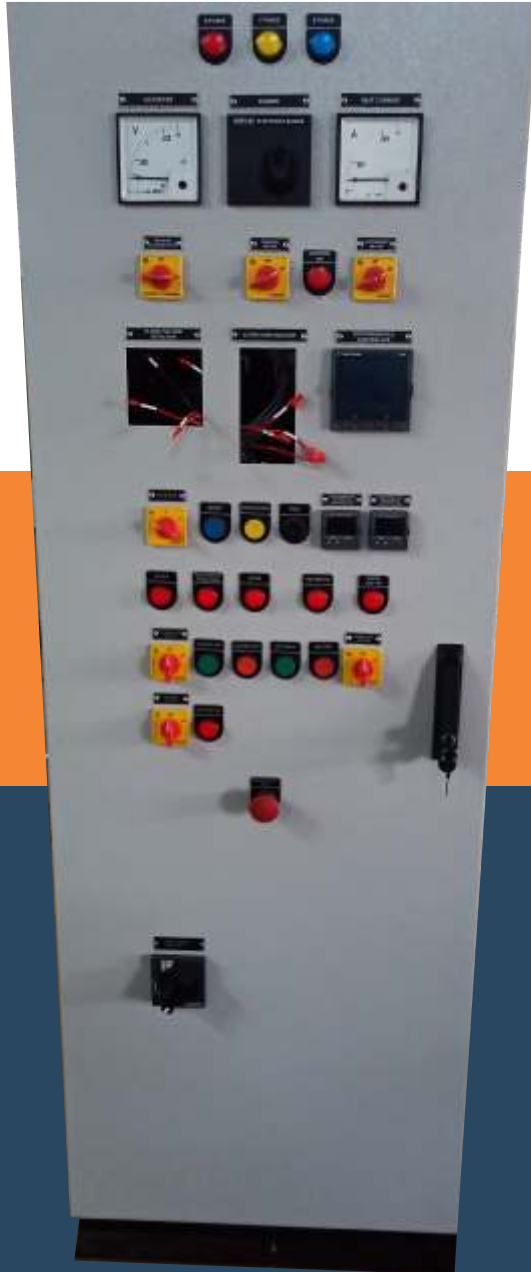
Control Desk & Mimic Panels



Mimic Panels & Control Desks is the process of flow chart, pictorially represented on the front side of a control desk / panel. Generally mimic displays are printed on acrylic sheet with Indication Lamps, Push Buttons & Selector switches, they are widely used in Process industries.



Special Purpose & Automation Panels



Custom built panels with automations & Controls





List of Customers



PURAVANKARA[®]





Certifications / Standards / Test Facility

Certifications

- ISO 9001 : 2015 from Universal Registrars
- Short Circuit test certificate for 50KA – from CPRI
- Ingress Protection certificate upto IP 65 – from CPRI

Standards followed

- Degree of Protection of Enclosures IS 2147
- LT Switchgear & Control gear Assembly IEC 439
- Code of Practice for phosphate Iron & Steel IS 6005
- General requirements for switchgear upto 1000V IS 4237
- Shop built assembly of Switchgear & Control gear IS 8623
- Marking & arrangement of bus bar main auxiliary wiring IS 375

Test Facility

- Multimeter
- Megger 1000V
- Temperature Rise Test
- High Voltage Tester 3KV – 30KV
- Pressure Switch Calibration Unit
- Vacuum Switch Calibration Unit
- Variable AC Power Supply 0 – 415V
- Variable DC Power Supply 0 – 220V
- Temperature Switch Calibration unit
- Our Products are tested as per relevant

IS Specification with the following equipment

Star-Delta Feeder for Low LCC

SL Motor	Motor		SDF	HRC Fuse	Contractor Line/Delta	Contactor Star	Bi-Relay	Bi-Relay
KW/HP 415V, 3ph, 50HZ	IL Amp	LPH amp	Rating	Amp	Amp	Amp	Set-Rang Amp	Available Set Range Amp
2.2/3	4.8	2.8	32	5	9	9	2-3.2	2-3
3.7/5	7.8	4.5	32	10	9	9	3.2-5	3.2-4.7
5.5/7.5	11.2	6.5	32	16	9	9	5-8	5-7.5
7.5/10	16	9.2	32	20	12	9	6.3-10	5.3-9.4
9.3/12.5	19	11	32	25	12	9	8-12.5	8-11.7
11/15	20.8	12	50	25	12	9	8-12.5	10-13.6
15/20	28	16.2	50	32	22	16	12.5-20	12.5-18.7
18.5/25	34	19.7	63	50	32	32	12.5-20	16-23.4
22/30	40	23.2	63	50	32	32	16-25	22-30
30/40	53	30.6	63	63	32	32	20-32	25-33.7
37/50	65	37.5	100	80	38	32	32-40	36-45
45/60	78	45	100	100	45	32	32-50	32-47
55/75	96	55.4	100	100	63	32	40-57	50-59
75/100	131	75.6	200	160	85	63	70-95	70-88.9
90/125	156	90.1	200	160	110	63	70-95	85-98.2
110/150	189	109	200	200	110	110	95-120	95-112
132/180	227	131.1	250	250	140	110	115-180	115-168
160/215	271	156.5	315	315	170	110	115-180	115-168
200/270	339	195.7	400	400	250	170	160-250	160-234
250/335	398	243.1	630	400	250	250	160-250	200-299

Direct-on-line Feeder for Low LCC

SL Motor	Motor	SDF	HRC Fuse	Contactor	Bi-Relay	Bi-Relay
KW/HP 415V,3ph,50HZ	IL Amp	Rating	Amp	Amp	Set-Range Amp	Available Set Range Amp
0.37/0.5	1	32	4	9	0.8-1.25	0.8-1.17
0.55/0.75	1.3	32	4	9	1 - 1.6	1-1.5
0.75/1	1.9	32	6	9	1.25-2	1.6-2.3
1.1/1.5	2.6	32	6	9	2-3.2	2-3
1.5/2	3.7	32	10	9	2.5-4	2.5-3.7
2.2/3	4.8	32	16	9	3.2-5	4-5.9
3.7/5	7.8	32	20	9	5-8	6.3-9.4
5.5/7.5	11.2	32	25	12	8-12.5	8-11.7
7.5/10	16	32	32	16	10-16	12.5-18.7
9.3/12.5	19	50	50	32	12.5-20	16-23.4
11/15	20.8	50	50	32	16-25	16-23.5
15/20	28	63	63	32	20-32	20-30
18.5/25	34	63	63	38	25-36	32-37.4
22/30	40	100	80	45	32-50	32-47
30/40	53	100	100	63	40-57	50-59
37/50	65	125	125	70	57-70	57-65.5
45/60	78	125	125	85	70-95	70-88.9
55/75	96	200	160	110	85-105	85-98.2
75/100	131	200	200	140	85-135	115-168
90/125	156	250	250	170	115-180	115-168
110/150	189	250	250	205	160-250	160-234
132/180	227	315	315	250	160-250	160-234
160/215	271	400	400	300	200-320	200-299
200/270	339	630	500	400	250-400	250-374
250/335	398	630	500	475	320-500	320-468

Back-up Services

- Site visit by Experts.
- Services within stipulated time.



Sun Electro Control Systems Pvt. Ltd.
(An ISO 9001 : 2015 Certificated Company)

A1, Soundarya Industrial Estate, Andhrahalli Near Peenya 3rd Stage,
Bangalore - 560 091. Mob : +91 9845173119, Ph: 080 23245116
E-mail: shreesha@sunecs.com / info@sunecs.com / www.sunecs.com