

Product Catalogue



Reliable

Economical

Dependable



WATER PUMP AUTOMATION | GENERATOR AUTOMATION | STREET LIGHT AUTOMATION

**Trusted Quality & Highly Performance**

## Introduction

**SUBTECH** brand is famous in multi-products for integrated electric automation with 23 years of experience. Our offered solutions are useful in industrial, domestic and agricultural sectors for intelligentized automation. Our high-class products are designed specially for generators, water pumps, street lights and other electrical purpose for pan India and abroad. The Company has always believed in being technically abreast and keeping focus on the design and development of every product. We have R&D team with over 10 engineers for designing & developing modern products.

## Our Policy

In this competitive era, maintaining customer loyalty is very challenging. For this, we deeply understand the needs and sufferings of the customer and come up with a product that can be used for a long time and of reasonable price in comparison to others. Thus, resulted in a incomprehensible technology to our customers by using PMC contactor instead of ordinary contactor in our product.

## Infrastructure

We have well-built infrastructure which is efficient in manufacturing maximum products out of the available resources. While the manufacturing units are operational with state of the art machinery, the storage units have every facility to manage the products safely before delivery.

## Quality Assurance

The Electrical Products manufactured by us are thoroughly tested to assure the quality competitiveness. The raw materials used in production are checked and then further taken into process. Other quality assurance tests are performed on the final products to ensure complete faultlessness in every aspect.

## Clientele

Quality, durability and flawless performance of our Electrical Products have helped us to build a huge clientele. Our customers are spread all over India as well as in other countries like South & East Africa, South Asia, Middle East, Latin America, etc. We are successfully catering to them through timely delivery of the electrical goods as per their needs.

# PRODUCTS

## Automation for:

Motors / Water Pumps

Generators

Street Lights

Electricity Distribution

## Automatic Changeover/Automatic Transfer Switch

**SUBTECH** make auto changeover/Automatic transfer switch is used to select one line in a specified manner between Main Utility & Genset. It gives first priority for main utility. When main supply is resumed, the connected load is automatically shifted to mains. If main utility will fails then load transfers on available utility by another source automatically. Mostly used for selection of input from the generator and main line with or without time delay.



### Features:

- Operating Voltage 130V to 280V.
- Powder Coated Box, Compact size Wall mounting, Temper proof and maintenance free.
- LED Indication status for MAINS & GENERATOR On.
- Microcontroller based technology with Pre-Program interlocking to prevent short circuit.
- Removes problem of sparking & burning because of usage of PMC in switching.
- Inbuilt SMPS supply to operate the circuit.

**Availability:** 40 Amp. to 150 Amp.

Single Phase to Single Phase | Single Phase to Three Phase | Three Phase to Three Phase

## Auto Mains Failure Panel

Auto main failure panel is used for the automatic operation of the Genset. It monitors the power availability of both "MAINS" and "GENERATOR" automatically, and delivers you the healthy power continuously; on the other hand it will monitor the operation state for Generator while the Generator is running. During abnormal or common faults of generators, AMF Panel will give you both the visual (by LED) and audio signal feedback.



### Features:

- Auto Start & Auto Stop the Genset when Mains fails & restores respectively.
- Auto / Manual mode selector available, automatically changes lines from Mains and Gen Line and vice versa.
- Mains restoration delay time: 10 sec, start delay time: 3-5 sec. cool down time: 30-40 sec, DG output delay time: 8-10 sec.
- Cranking standard: three cranking attempts with 15 sec intervals.
- Low/high Voltage protection, Reverse phase protection (optional)
- Digital Volt, Amp., Hz. Meters & 5 Indication for Mains, DG and load in Display
- Contactor Coil Voltage: **180-260 VAC** & **Pre Magnetic Contactor** Coil Voltage- **130-280VAC**

**Availability:** 40 Amp. to 500 Amp.

Single Phase to Single Phase | Single Phase to Three Phase | Three Phase to Three Phase

## ACCL /CLD

**SUBTECH** make CLD cum auto changeover, which is a fully automatic high precision system for efficient distribution of individually rationed generator power, is an advantageous and cost effective alternative to conventional manual changeovers.

The auto changeover cum current limiting device (CLD) works as a changeover and also gives protection to generator due to overload and abnormal supply. It is a Micro-controlled Pre-Programmed overload protection system for multiple operations, mostly used for generators and power backup multi storied societies, malls, apartments etc.



### Features:

- Continue glowing LEDs on healthy conditions & blinking LEDs on source waiting and faulty conditions.
- Settable voltage range for mains and genset.
- Settable overload limit for genset.
- Auto trip on under/over voltage on mains and genset to avoid damages to appliances.
- Auto trip on overload to prevent genset overloading.
- Overload trip time will decrease as overload increase.
- Once tripped, auto re-starts after 10 seconds (max) and so on upto 5 trials.
- After 5 trials, tripped permanently for 3 minutes.
- Automatically tries again after 3 min or user can reset manually or wait for the mains.
- Safeguards generator by gradual loading and precision monitoring.
- Assured availability of allotted current; no less, no more.
- Significant saving on wall space and wiring.

## Digital Programmable Time Switch

Digital Time Switches are used where electrical equipment must be periodically switched on and off for pre-programmed daily or weekly times.

Digital time switches available with only 5 pin timer. The 5 pin model connection is an AC 220 is just like a switch. It can be used for switching to any application individually or with group of appliances.



### Features:

- Digital programmable Daily, weekly timer basis.
- Upto 16 programs daily
- Supply voltage - DC 12V, 24V, AC110-260V Freq-50Hz
- Inbuilt rechargeable V80H battery for memory backup means no issue of replacing battery, Battery charge last for at least 1-2 months without charge. i.e. Without AC supply connectivity.
- Led power indicator, LCD on screen displays for on and off switching status.
- Contact – single pole - single throw, Contact capacity-16 Amp, 240 VAC.
- Running accuracy  $\pm 1$  second / day at 20°, Minimum time setting - 1 minute.
- It can be used for street lights, motors, T.V., AC etc.



## Automatic Battery Charger

Automatic Battery Charger for charging generator battery automatically with LED indications and fault protections.

### Features:

- Trickle and boost mode
- Reverse polarity protection
- Auto cut-off on full charge

### Availability:

Transformer Base Battery Charger -12/24 VDC

SMPS Base Battery Charger -12/24 VDC



## Smart Digital Motor Starter Panels

Used for digital monitoring, controlling and protection of all types of motors in Industrial, Commercial, Residential and Agricultural sectors.

### Features:

- Over load Protection (Programmable)
- Under Load Protection (Programmable)
- Under voltage protection (Programmable)
- Over voltage protection (Programmable)
- Single phase preventer
- Reverse phase protection
- Unbalance voltage protection
- Auto/manual mode selector switch
- Inbuilt MCB /MCCB to extra protection
- Hour meter to show the total time of run
- Digital Amp. & volt meter inbuilt
- Auto switch inbuilt with Start delay time
- Wide Voltage range: 170-450 VAC
- Fabricated with powder coated G.I Sheet.
- Continuous running capacity: 100+ hrs.



Three Phase



Single Phase

**Availability:** 1 HP to 100 HP Capacity

Contactor based and PMC based

Single Phase

Three Phase DOL

Three Phase Star Delta

## Water Level Control Management System

Indication and automatic controlling of water/liquid level of single tank / multi-tanks with or without audio alarms to prevent water overflow & save electricity.

### Features:

- Auto start & stop according the tank level.
- Digital display to show level (in percentage)
- Audio alarm on full tank
- Push button to reset buzzer
- Maintenance free, high quality magnetic float sensor



## APFC Panel

It is used to maintain power factor by the use of capacitor bank to suit the variations in inductive/resistive loads. Specially in industrial sector, heavy inductive loads are very common to give low power factor, which results in higher demand charges and also low power factor penalties. APFC panel provides automatic switching operation of the suitable capacitor bank for fixing power factor from load fluctuation.

### Features:

- User friendly microprocessor based APFC relay.
- Modular design with easier assembly, Installation & maintenance.
- Aesthetically designed dust proof cabinet with powder coating.
- Power factor correction done with help of power factor controller & power contactors by switching In/Out 6/8/12 steps of capacitor banks.
- Used for three phase loads.

**Availability:** *Contactors based and PMC based*



## Auto Phase Sequence Panel

It is used to overcome problems like single phasing, reverse phasing and unbalance supply to protect the electrical/electronic appliances.

### Features:

- Auto cut off on single phasing & unbalances supply.
- Auto corrects in Reverse phasing
- Switching time is 10 second with an Operating Voltage 130V to 280V.
- Temper proof and maintenance free, powder coated box.
- Microcontroller based technology with Pre Program interlocking to prevent short circuit.
- Minimum heat dissipation & energy losses.
- Remove problem of sparking & burning with the usage of Pre Magnetic Contactor.



## Motorized Butterfly Valve

**SUBTECH** series UPVC plastic butterfly valve according to the different medium has a variety of optional material; corrosive resistance is strong, small volume, light weight, extremely non-toxic material. The Mid Stem Structure in this butterfly valve will protect the water leakage from butterfly valve to motor. It is used in industries, multi storied buildings, malls to control the flow of liquids.

### Features:

- Can be operated automatically, manually or remotely
- Epoxy resin coating over mid stem structure prevents structure from corrosion.
- Operating Voltage 130V to 280V.
- Maintenance free
- Can be used for any type of liquid.



## Street Light Control Panel

It is used to operate street lights automatically according to the set program to save huge amount of electricity and money and also to facilitate the people travelling on the roads.

### Features:

- Pre programmed Time switch as per season with Three Programs every month and for twelve months thirty six programs specially designed for Street Light Automation.
- No need of reprogramming & rewiring.
- User-friendly, Energy saving Efficient, Capable in Lowered CO<sub>2</sub> Emissions.
- Capable of Saving Energy 35-40 %.( Depend upon user usage).
- Low running and maintenance cost.



**Availability:** *Contactor based and PMC based*

## LT Distribution Panel

It is used in electricity supply systems to divide electrical power feed into other circuits. It has a key role in supplying power and protecting permanently installed equipment for building such as power and lighting facilities while providing a protective fuse or circuit breaker for each circuit, in a common enclosure.

### Features:

- Manufactured for multiple operations with PMC Technology advantages without any problems like overheating & burning of coil.
- Manufactured in GI sheets to provide high strength, longer service life, corrosion free, low maintenance cost.
- Provided with hinges, fixings and locks & fully enclosed switchgear.





# Valuation

**PRODUCT CERTIFICATION**

## Certificate of Compliance

Application of Council Directive Low Voltage Directives 2006/95/EC & Electromagnetic Compatibility 2004/108/EC

**Certificate No. 20111117**

This is to certify that the Quality Systems for the following Product group -

**AUTOMATIC CHANGEOVER SWITCH, AMF PANELS, CURRENT LIMITING DEVICE, BATTERY CHARGERS & TIMERS**

Manufactured by :

**S.S. POWER SYSTEM**  
Plot No.271,UK-II, Ecotech-III,  
Greater Noida, G.B. Nagar-201307 (U.P.), India

Comply with the applicable requirements of the Low Voltage Directives' & EMC Directive.

The Quality System of the above Products has been assessed according to the procedure of conformity assessment as per the Low Voltage Directives & EMC Directive and approval issued on this date.

This certificate is issued under the self-certification provision of the Low Voltage Directives 2006/95/EC & EMC 2004/108/EC by Activa Certifications Pvt. Ltd. The latter's liabilities are limited to conducting the audit based on the Declaration & Test Reports submitted by the manufacturer and issuing approval as per Low Voltage Directives 2006/95/EC & EMC 2004/108/EC. Accordingly this certification is being issued as an non-accredited audit certificate for compliance with the Low Voltage Directives 2006/95/EC & EMC 2004/108/EC.

For an behalf of Activa Certifications Pvt. Ltd.

*Handwritten Signature*  
Manager Certifications

Date of Issue : 21/3/2011  
Valid Upto : 20/3/2016



**Activa Certifications Pvt. Ltd.**  
106, Anusap Plaza Local Shopping Complex Ghazipur, Delhi-110096, India

This Certificate is the property of Activa Certifications Pvt. Ltd. and shall be produced by Activa Certifications Pvt. Ltd. as and when requested. Activa Certifications Pvt. Ltd. liability shall be limited to providing certification of the quality management system as shown only. Activa Certifications Pvt. Ltd. liability does not extend to the organizations or individuals that are represented on our membership Committee and Certification Process. This certificate is in compliance to the above mentioned standard requirement and is non-accredited. Log on to [www.activa.com](http://www.activa.com) to check the validity of the certificate.

Certificate Number : QC17HJU6843



## CERTIFICATE of Registration

*This is to certify that the Quality Management System of*  
**S.S. POWER SYSTEM**  
PLOT NO. 271, UDYOG KENDRA – II, ECOTECH – III, GREATER NOIDA,  
G.B. NAGAR – 201 306 (U.P), INDIA.

has been assessed and found to conform to the requirements of  
**ISO 9001:2015**  
For the following scope

**MANUFACTURING INSTALLATION AND SERVICING OF POWER MANAGEMENT SYSTEM, PREPAID ENERGY METERS, AUTOMATIC CHANGEOVER SWITCH, ATC, AMF PANEL, CLD, TIMER, MOTOR, STARTERS, BATTERY CHARGER, STREET LIGHT AUTOMATION AND WATER TANK AUTOMATION**

Date of Initial Registration : 21-July-2017  
Certificate Expiry : 20-July-2020  
1<sup>st</sup> Surveillance : 20-June-2018

Date of Issue : 21-July-2017  
Recertification Due : 20-June-2020  
2<sup>nd</sup> Surveillance : 20-June-2019




Quality Council of International Certification UK (Accreditation No. UK-CBM011)  
Perth House, 1st Floor, 15E Houghton Street London WC2A 2AE UK  
Accredited By: UK Accreditation Centre (UKAC) (url to verify UKAC register [www.ukac.org/register](http://www.ukac.org/register))  
For verification of Certificate Validity visit [www.qcicuk.com](http://www.qcicuk.com) or write at [info@qcicuk.com](mailto:info@qcicuk.com) or [qcicuk@gmail.com](mailto:qcicuk@gmail.com)  
\* Validity of the Certificate is subject to successful completion of surveillance audits on or before of due date. In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/revoked.  
\* Certificate is the Property of QCIC UK and shall be returned immediately when demanded.



The image displays a collection of logos for various organizations and brands. From top-left to bottom-right, the logos include: NTPC (National Thermal Power Corporation), Aligarh Muslim University (AMU), GAIL (Gas Authority of India Limited), Noida Traffic Police, Gujarat Bhawan (Office of Resident Commissioner), DLF Silver Oaks (Apartments That Stand Apart), KRIBHCO (Karnal Rabi Breeding Centre), supertech (Yours for Life), ATS (The better way home), Bata, EXOTICA (creating space for life), ANSAL HOUSING, JAYPEE GROUP, Gulshan Homz (a unit of GC group), and HONDA GENERATORS.



## **S.S. POWER SYSTEM**

An ISO Certified 9001:2015 Co.

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