



- **S. S. CONTROLS** is one of the premier Electric Panels manufacturers and suppliers. The company's range of electric panels is used for industrial purposes, generator panel building purposes and custom-built designs.
- The company is a group of young, enterprising professionals having vast experience in the field of industrial automation & distribution systems.
- "At **S. S.CONTROLS** ", we dream to work with the best business giants and are committed to Quality Workmanship to meet or exceed customers' expectations of quality, on-time deliveries & product reliability at reasonable prices & best after sales service support.



## QUALITY ASSURANCE

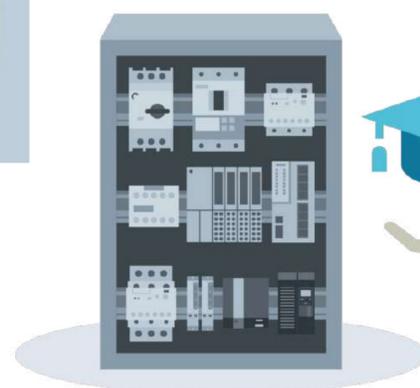
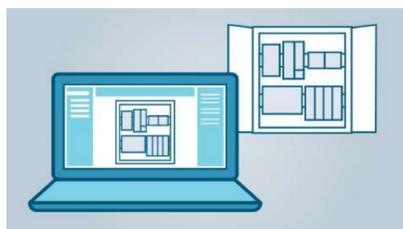
**S.S.CONTROLS** has a fully matured quality assurance system, The QA system covers all of the Company's activities, including:

- Marketing-Enquiry and Offer stage.
- Design & Engineering.
- In-process quality assurance.
- The entire manufacturing and related processes.
- Inward quality assurance.
- Material Inward and issue.
- Maintenance of various machineries.
- Calibration of Testing equipment.
- Training of Employees and Labors.
- Customer satisfaction.



## STANDARD WE FOLLOW.....

- IS: 8623
- Specification for Low Voltage Switchgear and control gear assemblies.
- IS: 5578
- Guide for marking of the insulated conductor.
- IS: 9224
- Specification for Low Voltage Fuses.
- IS: 2174
- Degree of Protection provided by enclosures for Low-voltage switch gear
- IS:5
- Painting Shade.
- IS: 2959
- Specification for contactors for Voltages not exceeding 1000V AC or 1200V DC.



## ROUTINE TEST WE OFFER.....

- Bill of Materials as per approved drawing.
- Visual and Dimensional Check.
- Paint Shade
- Sheet Thickness
- Functional Check as per logic
- HV/Megger test as per relevant IS



## TESTING AND CALIBRATION INSTRUMENTS

- High Voltage Test for 5KV : H.V. Tester.
- Insulation Resistance : Meggar 1000V.
- Current Measurement : Tong Tester.
- DC mA Source. : 0-300mA
- MV Source. : 0-500mA
- Decade Resistance. : 0-1000MΩ
- Digital I/O Simulator. : Toggle Switches
- Variable D.C. Regulated Power Supply. : 0-30V, 5A
- Variable A.C. Supply Source. : 0-300Volt -5A
- ALCO METER (Coat Gauge for Paint Thickness).
- Digital Multi Meter.
- Vernier Caliper
- Micrometre
- Magnifier glass

## MANUFACTURING RANGE (PANEL DIVISION)

- Power Control Center (PCCs)
- Motor Control Center (MCCs)
- Power Distribution Panels.
- Automatic Power Factor Correction Panels.
- Auto Main Failure Panels. (AMF)
- Heat Tracing Local Distribution Panels.
- Control Desk/ MIMIC Panels.
- Variable Drive / HVAC Control Panels.
- PLC Control Panels - ETP, STP, RO, Hydropneumatic.
- Starter Panels - for Sump / Drainage, Fountain, Swimming Pool
- Lighting Panels - Street Light- Timmer/LDR, PLC Control.
- Wireless System - Level, Pole Lights, Control Stations.



## CONTROL DESK - INSTRUMENTATION

- Panel for operation of Instruments like temperature, Level, Flow, Pressure application. Temperature application controlled using PID, Thyristor, SSR. Panel with necessary wiring and Process Indicators like pH, ORP, Pressure, Temperature, Flow etc



## AUTO MAINS FAILURE (AMF)

- Complete with AMF Controller / Relay Based Panel capable to change over the supply from Mains to DG with necessary protections.



## POWER DISTRIBUTION BOARD (PDB)

Our Power Distribution Panel is an electricity supply system, which divides electric power feed into several circuits. The power distribution panels can be availed with MCCB / SFU / MCB. fully equipped with all necessary safety precautions. Our power distribution panels are applicable in:

- Residential buildings
- All Industrial buildings
- Airport
- Stadiums
- Outdoor fabrication centers



**Mfg: All Types of Electrical & Automation Panels / Solutions**

# AUTOMATIC POWER FACTOR CORRECTION PANEL (APFC PANEL)

Most of the commercial and industrial installations in the country have large electrical loads which are severely inductive in nature, such as motors, large machines, air conditioners, drivers etc. Which results in a severely lagging power factor. This means loss and wastage of energy and heavy penalties by electricity boards. In the case of fixed loads, this can be taken care by manual switching of capacitors. However in the case of rapidly varying and scattered loads it becomes difficult to maintain a high power factor by manually switching on/off the capacitors in proportion to variation of load within an installation. This drawback is overcome by using an APFC panel (Automatic Power Factor Correction Panel) which not only maintains a high power factor but also eliminates the need for constant manual intervention.

## Advantages

- Economical with faster payback periods.
- Ability to maintain a constant high power factor.
- Eliminates low power factor penalties levied by EB.
- Reduces the KVA demand charges.
- Improves efficiency of the system by reducing losses.
- Prevents leading power factor in the installation during low-load conditions.



# CONTROL PANELS



# ELECTRIC HEAT TRACER PANELS

- Control Panel with Multi-Channel Scanner - RS485 Comm. Port suitable to monitor Line Temperature, Line Current, Ground-Fault Current.
- The system will generate alarms such as high temperature, ground-fault current detected etc. These alarms shall be software configurable.
- ON/TRIP status, Selector Switch AUTO/MANUAL of the individual circuit.
- Control Panel with Individual Temp. Controller with RS485 Comm. Port suitable to monitor Line Temperature.
- The system will generate alarms and control at low/high temperatures.
- ON/OFF status, Ammeter with CTs for individual circuit.



**Mfg: All Types of Electrical & Automation Panels / Solutions**

## CONTROL PANEL - HIGH MASK POLE LIGHTING

- Control Panel with Individual Temp. Controller with RS485 Comm. Port suitable to monitor Lin Temperature.
- The system will generate alarms and control at low/high temperatures.
- ON/OFF status, Ammeter with CTs for the individual circuit.



## LEVEL CONTROLLER LEVEL SENSORS



## CUSTOMER'S SPECTRUM

- Raychem RPG Pvt. Limited
- Pentair Thermal Management
- Thermon India Pvt. Limited
- SST Thermal India Pvt. Ltd
- Chromalox Advanced Thermal Technologies
- nVent Thermal India Pvt Ltd
- Dev Musco Lighting Pvt. Limited
- Lampadaire Engg. & Infrastructure Pvt. Limited
- Lloyd Insulations (I) Limited
- Shapoorji Pallonji Construction Co.
- Hydratec Engineers & Consultants
- Jaypee Hospital
- Daikin Airconditioning India Pvt. Limited
- Nicropads Industries
- Escorts Heater Limited
- SBEC Sugar Limited
- Jakson & Co
- Enmax Smart Systemz ( Dealer of Grundfos Pumps)
- KSB Pumps
- Heat Trace India Pvt. Limited
- Maruti Suzuki India Limited (Manesar, Gurugram, Rohtak )
- Suzuki Motor ( Gujarat plant, Mehsana plant )
- Toyota Tsusho India
- And others



# S.S.C. CONTROLS

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