PC INFLUX
POWER CONTROL

POWER CONTROL

Synergy Through
Mechanization

COMPANY PROFILE

WELCOME TO

INFLUX POWER CONTROL

Leading Electric Power & Control Panel Manufacturer

One of the leading players in the industry, Influx Power Control is conducting its business operations as a Manufacturer and Supplier of precision-engineered products in the domestic market. The offered lot is inclusive of Power Control Centre Panels , Low Tension Control Panels , Motor Control Panels, Power Factor Control Panels , DG Set Control Panels , Power Distribution Panels , Automatic Power Factor Panels , Auto Mains Failure Panels , DG Synchronization Panels and Power Control Center Panel Boards. Designed and developed using modern work methods and techniques, our products stand high on the counts of performance, durability and quality. Ours is a group of domain-specific professionals who go the extra mile to fulfil varied requirements of clients.

We Are Commited To

- Provide Consistent Quality in every aspect of work.
- Continually Improve Product Quality.
- Adhere to Delivery Schedules.

Quality Policy

- The Company Policy is to Provide Quality Product at Competitive Price and Maximum Customer Satisfaction by active participation of all employees.

INDUSTRIES WE SERVE

TEXTILE INDUSTRIES

PHARMACEUTICAL INDUSTRIES

OIL & GAS INDUSTRIES

STEEL INDUSTRIES

MINING INDUSTRIES

CHEMICAL INDUSTRIES

POWER PLANT INDUSTRIES

SOLAR INDUSTRIES

PETROLEUM INDUSTRIES

POWER CONTROL CENTER (PCC) PANELS

PCC Panels are the most essential part of electrical system of an industry from where the power of the industry is controlled.

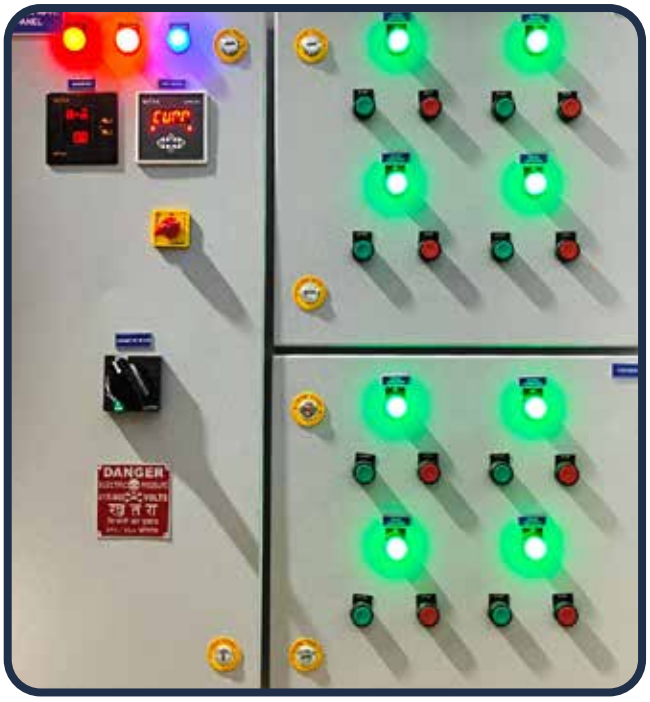
PCC Panel is a power distribution board to control the Electrical power supplied to HT Panels, MCC panels and transformers who play vital role in all electrical control system.

Power Control Centre is used for distribution and control of various power source used in industry. Normally Power Control Centers is installed near power source hence fault level is high.

Various protections viz short circuit, overload, earth fault, under voltage etc. are provided to protect source and equipment. PCC Panels widely used in refineries, chemical plants, pharmaceuticals and Solar Industries.

AUTOMATIC POWER FACTOR CORRECTION PANELS

Reactive Power compensation system is designed to work automatically on LT power supply to measure, display & connect, disconnect the required capacitor banks through Thyristor /Capacitor Duty contactor with protection of MCB / HRC Fuses & series reactors to each bank to achieve the set Target power factor.



Thyristor /Contactor Switched Automatic power factor system is the highly accurate, properly designed system with required creep age distance as per required standards.

APFC System equipped with advanced, Digital Microprocessor based relay to measure, calculate and display all electrical network parameters.

It accurately measures cycle to cycle reactive power requirement for required capacitors are connected to switching element / device installed in the system, so as required capacitors are connected / disconnected to the network. APFC Controllers close loop fast response multi method switching [MMS] algorithm helps system to have close & precise control on power factor.

FEATURES

- Modular Structure
- Protection to each step.
- Well ventilated design.
- Powder coated metallic frame structure design
- Four modes of operation.
- Door interlocks Facility.
- Good Service Backup.

AUTOMATIC MAINS FAILURE (AMF) PANEL

Auto Mains Failure Panels are used to control start/stop of diesel generator sets in accordance with the availability of main power supply. The panels are manufactured for various ratings and different generator sets. These panels are incorporated with battery chargers, various protections for diesel engines and alternators.

AMF Control System Provides

- Consistent Power supply to the load in absence of mains supply.
- DG set protections.
- Smooth Start/Stop sequence.
- Audio Visual indications of various fault conditions
- Auto/ Manual modes of operations
- Main Failure and voltage fluctuations detections
- User friendly

POWER DISTRIBUTION PANELS

Power Distribution is a system, consisting of a Main Distribution Board (MDB), Sub Main Distribution Boards (SMDBs) and Final Distribution Boards, by which the electrical energy is transmitted via branches to reach the exact end user.

Key Features of Distribution Boards

- Ample cabling space for easy connections
- Top and bottom cable entry.
- Panels for front or rear access to suit application
- Index of protection: IP 31 & IP 54
- Floor mounting
- Maximum safety & reliability
- Modular system with Customized design to meet end user requirements.

FIRE ALARM CONTROL PANEL

The panel receives information from devices designed to detect and reports fires, monitors their operational integrity and provides for automatics control of equipment, and transmission of information necessary to prepare the facility for fire based on a predetermined sequence.

At conceptial control, we offer a range of individual or combined of Fire Fighting Control Panel – Fire Alarm Control Panel (FAC Panel). Our product comes with standard features.

DOL STARTER PANEL – STAR-DELTA STARTER PANEL

Direct on-Line start is probably the simplest and traditional type of start and it is to connect the motor directly to the power supply performing therefore a full-voltage start-up.It is often abbreviated with the acronym DOL.

DOL (Direct on Line) start is the simplest and most cost-effective system for starting pumps and motors and it is traditionally the most widely used. The induced current is the rotor is high. This results on a peak current on the network which can be 5 to 8 times the nominal current.

They are suitable for startup of small submersible pumps, deep well pumps or booster sets with surface pumps. DOL control panels need a direct connection to the power supply network, which implies:

- Start at full voltage and constant frequency
- High starting torque
- Very short acceleration times.

STAR-DELTA STARTER PANEL

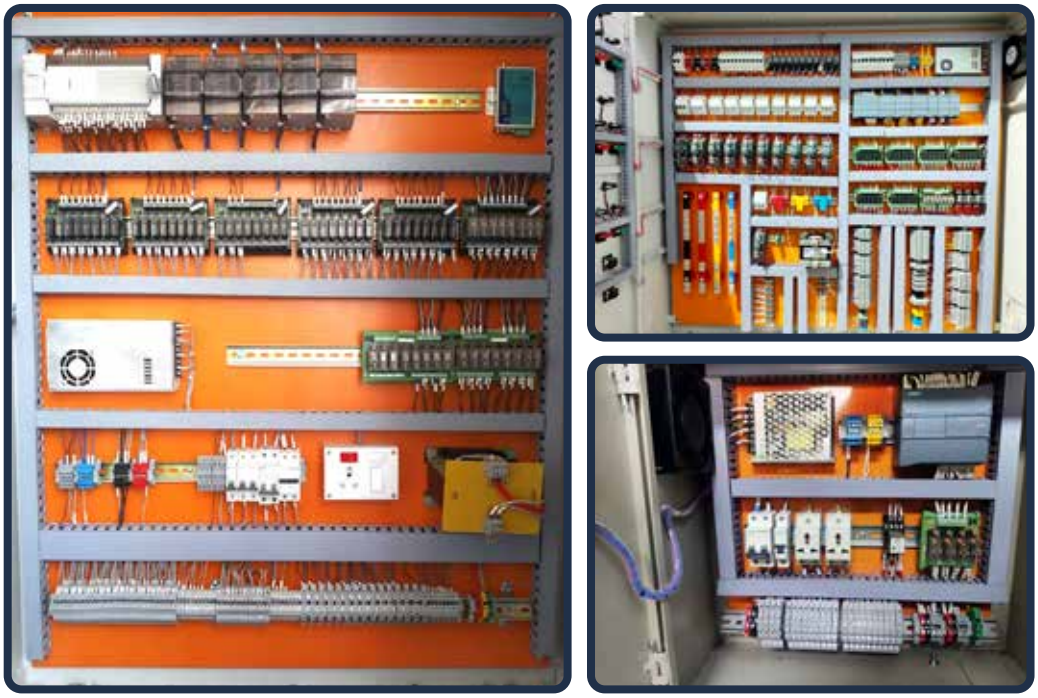
Star Delta starting is the best known and perhaps the most widely used low voltage starting method. It is used to start the pump's motor with lower levels of mechanical stress and with current limitation during start-up; it does this with the aid of a timed system which switches the control contractors installed inside the panel.

Star-delta starting reduces starting current and torque to values of 33% (1/3) of those measured during direct starting. During start-up, the currents flowing through components are lower than the motor's related current.

PLC CONTROL PANEL

Programmable logic controller (PLC) control panels or also known as PLC Automation Panel are one of the most important and efficient kinds of control panels. Which are generally used in variety of electronic and electrical circuit fittings.

PLC Control Panels we manufacture are highly capable of giving higher output at less power consumption. Integrated with solid PLC logic and flawless PLC hardware programming.



Ease in modification of logic, reduced size, means of remote communications and advances in the technology have made PLC Automation Control Panels an edge over conventional relay-based systems. Our Engineers has provided PLC based Panels from Various PLC.

From small I/O application to the complex I/O systems are provided by our Engineers. Our Engineers have developed communication software's for remote communication of the PLC Panels in various different protocols.

With PLC based Panels HMI/MMI are provided to provide the operator various messages and controls of the process plants touch screen MMI are provided. To effective control of the system.

OUR PRODUCTS

SOLAR ACDB DCDB PANELS

We are prominent manufacturer and leading supplier of Solar ACDB DCDB, Solar ACDB LT Panel in Ahmedabad Gujarat India for any kind of solar project needs whether it is for commercial scale,roof top plant or utility scale projects. Apart from this, we also manufacture solar products like Solar NVR ACDB Panel, TVM Metering panel, String combiner box, array junction box as per IP 65 standards suitable for indoor as well as outdoor locations. It in houses the combination of various components switchgear like surge protection device(SPD), MCBs, MCCBs, fuses, connectors, etc. We also understand customer design from Discom point of view.

ACDB

DCDB

INFLUX POWER CONTROL

COMPANY DETAILS

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