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## INDUSTRIAL AUTOMATION SYSTEMS SOFT STARTERS

*With the development of technology, new devices are produced to minimise breakdowns in the power Plants. You can use soft starters devices to decrease the breakdowns during the acceleration of asynchronous motors. .*



INDUSTRIAL AUTOMATION SYSTEMS  
SOFT STARTERS



INDUSTRIAL AUTOMATION SYSTEMS  
SPEED CONTROL DRIVERS

It is possible to look for a solution with motor drivers in order to control the speed and torque of standard induction motor which constitutes the ground of the industry.



## INDUSTRIAL AUTOMATION SYSTEMS SPEED CONTROL DRIVERS



INDUSTRIAL AUTOMATION SYSTEMS  
PROGRAMMABLE LOGIC CONTROLLERS (PLC)

You can get more productive manufacturing with PLC products which are indivisible parts of Automation system by eliminating the risks as relevant to the man power.



INDUSTRIAL AUTOMATION SYSTEMS  
PROGRAMMABLE LOGIC CONTROLLERS (PLC)

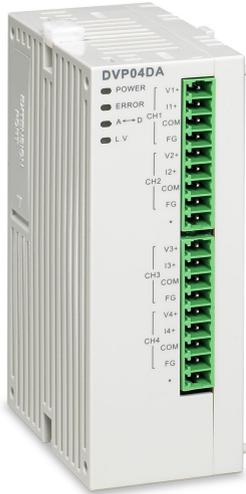


INDUSTRIAL AUTOMATION SYSTEMS  
DIGITAL AND ANALOG PLC MODULES

You can get benefit from digital and analog plc modules for greater applications in the field of Automation systems.



## INDUSTRIAL AUTOMATION SYSTEMS DIGITAL AND ANALOG PLC MODULES



## INDUSTRIAL AUTOMATION SYSTEMS COMMUNICATION MODULES

*You can supply necessary modules to integrate into the your system by obtaining the information from devices placed at different points in the automation applications.*



**INDUSTRIAL AUTOMATION SYSTEMS  
COMMUNICATION MODULES**



# INDUSTRIAL AUTOMATION SYSTEMS CONTROL PANELS

*It is possible to achieve dominance on your systems with the help of products which are enabling the monitoring datas, control and reporting of the system.*



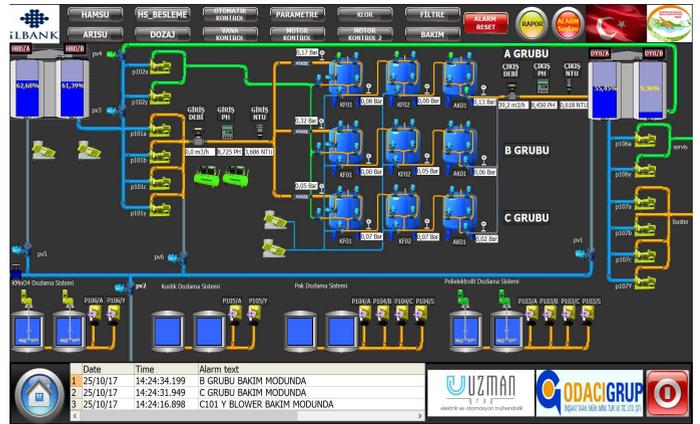
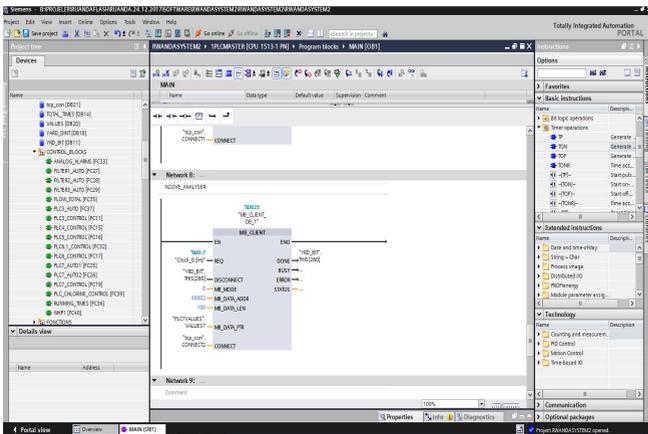
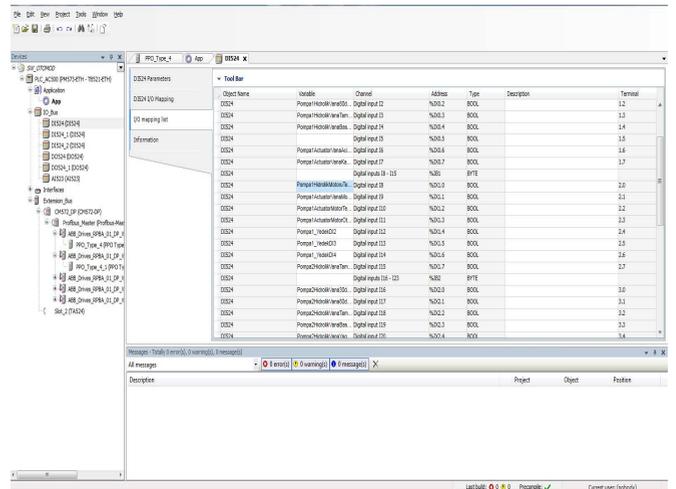
**INDUSTRIAL AUTOMATION SYSTEMS  
CONTROL PANELS**



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# SCADA & SOFTWARE

*You can rule over your automation applications with designs belong to the monitoring, system control and reporting.*



## CONTROL DEVICES BREAKERS

*You can protect devices from overcurrent with the help of our products.*



## CONTROL DEVICES SURGE PROTECTOR

*You can secure the system with parafodurs in case of surge voltage in the electrical installations.*



## CONTROL DEVICES CONTACTORS

*You can direct the system by providing the necessary electrical controllers of your applications with these contactors.*



**CONTROL DEVICES**  
**CONTACTORS**



## CONTROL DEVICES MOTOR PROTECTIONS

*You can prevent motors from financial damages with the help of motor safety switches.*



## CONTROL DEVICES MOTOR PROTECTIONS



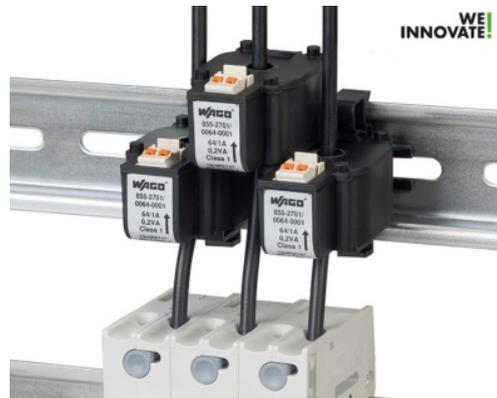
## CONTROL DEVICES ENERGY ANALYSERS

*Nowadays, energy saving is the most important factor in the world.  
You can increase Energy efficiency with our products.*



**CONTROL DEVICES**  
**CURRENT TRANSFORMERS**

*You can carry out the necessary measuring and protection procedures in electrical circuit with current transformers.*



## CONTROL DEVICES LOAD SEPARATORS

*Medium and high voltage systems while no load on/off circuit operations, provides the energy your system downtime in case of need, you can perform the if desired interventions for the energized line.*



## CONTROL DEVICES COMPENSATION PRODUCTS

*Efficient use of energy in industrial operation depends on compensation structure. You can increase Energy efficiency and minimise the Energy losses with the benefit of compensation services.*



## CONTROL DEVICES SENSORS

*It is possible to work your system in the best way with our products which connect your devices with physical environments( temperature, pressure, distance etc.)*



## CONTROL DEVICES SENSORS



## CONTROL DEVICES SWITCHES

*You can evaluate the position information about any kind of mechanical design in your system by using these switches.*

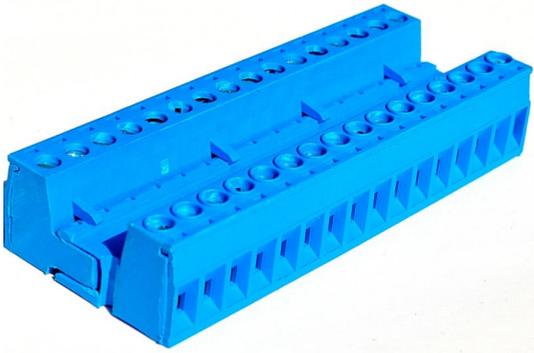


## CONTROL DEVICES RELAYS

*It is possible to transfer the pressure values in your applications to the automation systems with pressure gages.*



## CONTROL DEVICES TERMINALS



## INSTRUMENTS PRESSURE TRANSMITTERS

*It is possible to transfer the pressure values in your applications to the automation systems with pressure gages.*



## INSTRUMENTS

### ULTRASONIC LEVEL SENSORS

*Our products which can make level measurement in liquid and solids, meet your requirements with capability of healthy measurement and working long time.*



## INSTRUMENTS

### WATER ANALYSIS DEVICES

*You can make necessary water analysis for the measurement of water turbidity , Ph and chlorine with water analysis products.*



## INSTRUMENTS MOTORISED VALVES

*We have two kinds of motorised valves ,which has two ways and three ways.Two way valves provide control by changing flow variation.Three way valves use for mixing and deviding.You can solve your applications with using our motorised valve products.*



## LIGHTING INTERIOR ARMATURES

*Our lighting product will ensure ideal lighting and attract attention for your lighting applications.*



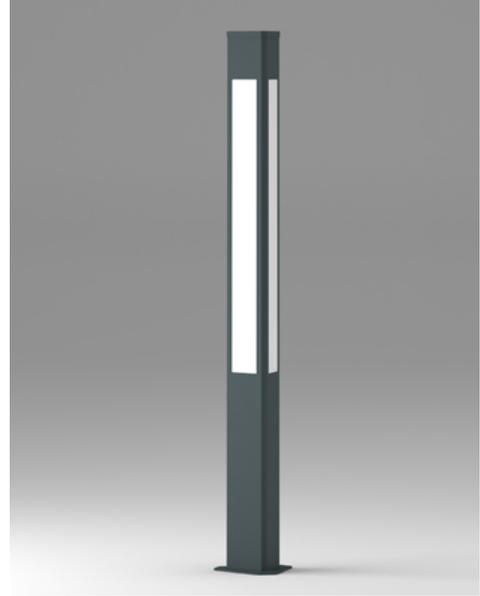
## LIGHTING EXTERIOR ARMATURES



## LIGHTING PROJECTORS



## LIGHTING LIGHTING POLES

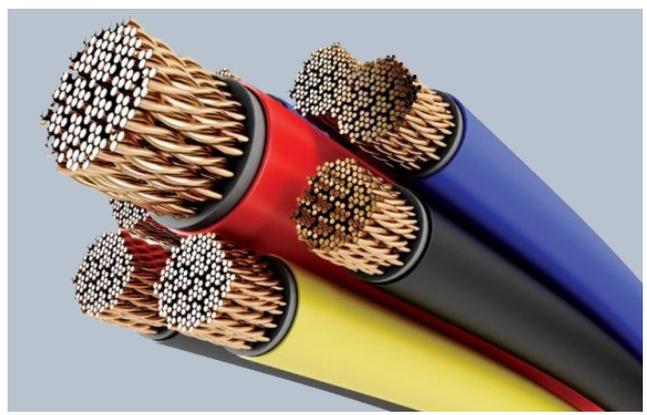


## LIGHTING LAMPS

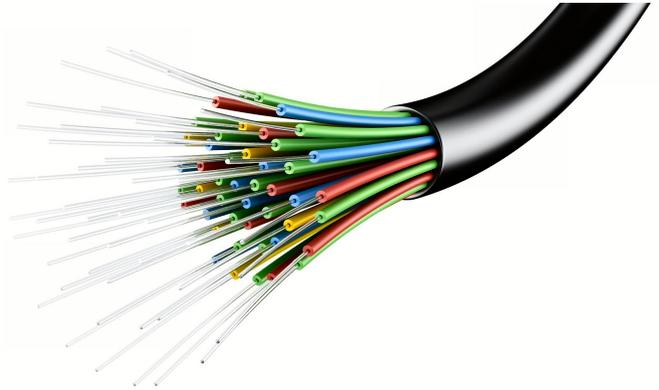
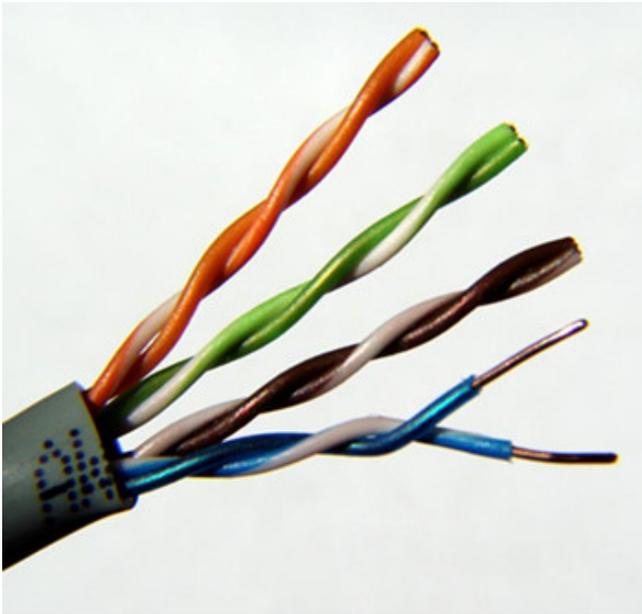


**CABLES**

*You can use our products for cabling to your High voltage ,medium voltage and low vantage energy transmission.*



## CABLES



**UNINTERRUPTIBLE  
POWER SUPPLIES**

*You can protect your systems from harmonics and supply regular energy with our uninterruptible power supplies.*



## GENERATORS



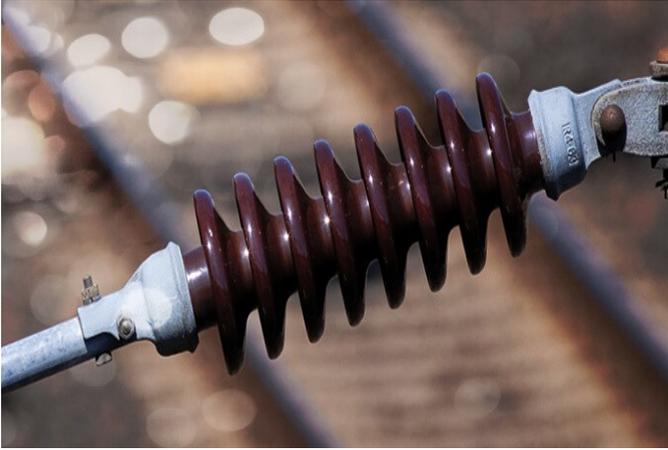
## ENERGY TRANSPORT LINES TRANSFORMERS



## ENERGY TRANSPORT LINES POLES



## ENERGY TRANSPORT LINES ISOLATORS

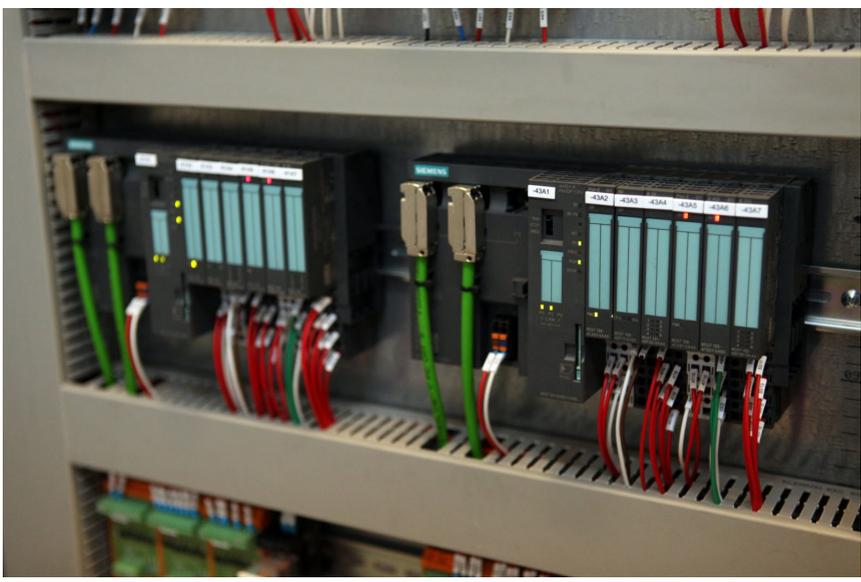


## ENERGY TRANSPORT LINES



**PANELS**  
**CONTROL PANELS**

*Distribution panels required for energy control, mcc panels, plc panels and compensation panels in our product range*



## PANELS MCC PANELS



## PANELS COMPENSATION



## PANELS DISTRIBUTION

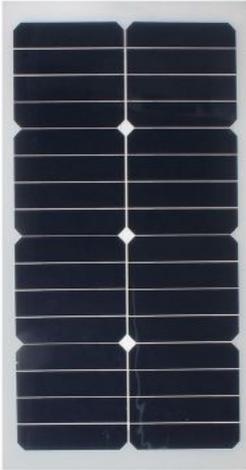


**PANELS**  
**PRODUCTED PANELS**



## SOLAR SYSTEMS PV

*You can contact with us about solar energy installation and product supply*



## SOLAR SİSTEMLER INVERTERS



35CM wire



## SOLAR SYSTEMS REGULATORS



## SOLAR SYSTEMS JEL BATTERY



*TURKEY*



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