



# DESIGN A CONTROL SYSTEM SIMULATOR USING PROGRAMMABLE LOGIC CONTROLLER

By Ahmed, Tanveer

Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Basic, Design, Development, Performance check and Software SYSWIN 3.4 user manual | Control can be defined as keeping a physical variable (pressure, temperature, level, flow etc.) as constant as possible by measuring instantaneous value of physical variable, comparing it with the desired value and using the difference to make a correction which reduces this difference. It may include everything from a process control computer and then the control components: the switches, stepping motors, solenoids, and sensors. Programmable Logic Controller (PLC) is used in Industries from last twenty years. This is a very flexible controlling device, can be used in every type of industries for the automation. An era was started after the invention of microprocessor; to design develops microprocessor-based system for automation of the machines. Similar is in the case of PLC, when it was discovered in an automobile industry. PLC which has a fixed hardware, manufactured by the several manufacture worldwide, can be incorporate in any mechanical and electrical system by writing suitable programs, as per the need of the user of machine or system. To fulfill this need this control panel simulator will help the students to be a...



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