Abstract

This paper aims at analyzing the design and the realization process of PLC practical teaching device developed by the configuration technology. Specifically, this practical teaching device employs the teaching monitoring interface developed by the configuration software to communicate with the programmable controller so as to realize such functions as system login, question type selection and operation control for the teaching and assessing process.

Meanwhile, the system function and structure, the hardware layout design, the material model selection, the system flow, PLC input-output terminal distribution, the configuration monitoring interface design, the array library dictionary construction and the monitoring process design are particularly described in this paper.

References

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**Index Terms**

Computer Science  
Circuits and Systems

**Keywords**

Configuration Monitoring Technology, Programmable Controller, Practical Teaching Device