Abstract Details

Title: Development of a Traffic Light Control System using Programmable Logic Controller

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Abstract: Though practically elevators are controlled by PLC, still we employed it, because elevator is an appropriate system where we can explore a lot of feature of the PLC. As it is a mere model only, while shifting to practical elevator some module of our model need to be replaced, viz. DC motor drive need to be replaced by an induction motor drive, a weight counter-balancing technique should be employed. But as our target of doing this project is mainly PLC oriented, we mainly focused in PLC ladder logic and how to connect an external hardware/system with the PLC to control that hardware.

Keywords: Programmable Logic Controller MASTER-K80s, Inductive Proximity Sensor, Pilot Lights, Conducting Wires.