Title: Motor Control of an Oscillating Pendulum

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Abbreviation: MTRCTRL

Description: This project involves the control of a small A.C. motor that drives an oscillating pendulum. The pendulum will continually oscillate and its position will be monitored by several sensors. On command, the motor will provide a “kick” to change the level that the pendulum reaches at its peaks. The motor will be controlled by an 8051 Microcontroller.