

RELAXATION MACHINE

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ABSTRACT

Servo motors is usually used in radio-controlled models like mini helicopter, mini racing cars and also boats. It is a pity that is it only used for this application, considering that servo motor can be used for many other useful application and takes.

The main part of the Relaxation Machine is the servo motor. This Relaxation Machine is a servo-powered pendulum. The servo motor is tied to a 1meter long pendulum. The large and long pendulum will generate a smooth and steady motion which helps people to relax and even fall asleep. For this psychological effect to be achieved, the movement has to be sine-shaped like that of a real and very long pendulum.

The servo motor is connected to a circuit. In the body section, I will describe the objective of this project and also the function of the component, in the construction section, I will describe step by step for completing my project. I will also describe how the circuit works and also its output.

My conclusion will summarize my project. In addition, some circuit diagram and PVB and bread board picture will be shown in different section to enhance readers to understand the description and theories explanation of my project.