

General Description

Frequency converter specifically designed to upgrade a single speed Leslie speaker to a two-speed Leslie speaker. The peculiarity of the project, is that you don't have to modify any mechanical part, reducing the final cost for the whole transformation. The operating principle is based on the waveform produced by the circuit, which is able to reduce the nominal rotational speed of the motor, about 2800 RPM to a value between 40 and 100 RPM, while maintaining a torque more than enough for use. The value of the output frequency is adjustable in four steps by moving the jumper on the board. The circuit is also a solid state switch, eliminating the sound of the electromechanical relays. To have the best results, it is important that the mechanical parts of Leslie are in perfect working order and regularly lubricated.

Technical Features

- Digital control of the synthesized waveform.
- Speed adjustable in four steps.
- Low voltage state control, which increases the operator safety and improves the switches life.
- High efficiency > 98%
- Switching speed without mechanical noises.

Applications

- Single speed Leslie Speaker upgrade, with no mechanical modification, without adding two slow-speed motors.

