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Dual Tone Multi-Frequency Based Water Irrigation System

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Abstract: Advancements in technology have made it easier for humans to complete tasks with less human force and time. This project aims to use a telephonic signalling approach using Dual tone multi-frequency (DTMF) technology to control electrical loads, such as irrigation water pumps in inaccessible areas. The system uses a decoder to switch on and off desired loads, reducing the need for manual operation in agricultural fields and households. This system can save time and ease the burden on farmers by reducing the need for manual operation.

Keywords: DTMF, Touch-Tone, DTMF generation, DTMF detection, DTMF decoder



