

DTMF Based Water Supplier

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Abstract: *In many rural and urban areas, managing and distributing water efficiently remains a significant challenge. This project proposes a DTMF (Dual Tone Multi-Frequency) based water supplier system that enables remote control of water distribution using a simple mobile phone. The system leverages the DTMF signals generated by pressing keys on a phone's keypad to control a motor pump, which supplies water. By dialing a dedicated number connected to the water supply system, users can activate or deactivate the pump remotely without physical presence. The system is powered by a microcontroller that interprets the DTMF signals and performs the corresponding actions. This technology provides an economical, accessible, and effective solution for water management, particularly in areas lacking advanced infrastructure. It reduces the need for manual operation, minimizes water wastage, and enhances timely water delivery.*

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