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(57) Abstract :
The Automatic Water Pump Controller Circuit represents a significant advancement in water management technology, offering an intelligent and efficient solution for controlling water pumps in various applications. This innovative circuitry utilizes sensors and microcontroller-based algorithms to monitor water levels in tanks, wells, or reservoirs, automatically activating and deactivating water pumps as needed. By optimizing pump operation based on real-time water demand and availability, the Automatic Water Pump Controller Circuit ensures efficient water usage, minimizes energy consumption, and reduces the risk of pump damage due to dry running or overflows. With its reliability, versatility, and ease of integration, this circuit contributes to sustainable water management practices in residential, commercial, and agricultural settings.

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