

## APPLICATION STUDY: THE DTT100USD ENHANCES SAFETY AND EFFICIENCY IN CRITICAL OPERATIONS IN WATER/WASTEWATER



### BACKGROUND:

Ensure the safety and efficiency of your water and wastewater systems with the DTT100USD True Off Delay Time Relay. Continuous operation during power disruptions is critical for preventing overflow, contamination, and equipment damage. The DTT100USD is engineered to maintain essential functions like pumps, valves, and emergency controls by initiating a delay after a power loss. With adjustable settings from 0.1 seconds to 10 minutes and easy configuration via rotary switches and a potentiometer, it guarantees smooth and safe operations until power is restored. Its precision and reliability make it essential for protecting vital water and wastewater infrastructure.

### THE CHALLENGE:

Water and wastewater systems must sustain functionality during power failures to avoid environmental hazards and maintain service continuity. The DTT100USD addresses this requirement by providing accurate timing control that activates following power loss, ensuring essential systems remain operational until power is restored. Additionally, the DTT100USD can function as an On Delay, offering flexibility for various timing requirements. Its robust design, precision, and reliability make it indispensable for protecting pumps, valves, and emergency controls in water and wastewater infrastructure, ultimately preventing overflow, contamination, and equipment damage.

### THE SOLUTION:

The **DTT100USD True Off Delay Time Relay** is a robust solution tailored for water and wastewater management applications, featuring:

- **Customizable Delay Settings:** Allows precise control with adjustable settings from 0.1 seconds to 10 minutes, meeting the specific needs of water and wastewater systems.
- **Broad Supply Voltage Range:** Supports AC/DC 12-240V, providing versatility across different power sources and configurations.
- **Simple Configuration:** Facilitates quick setup and fine-tuning with rotary switches and a potentiometer, minimizing installation time.
- **Space-Efficient Design:** Conserves valuable control panel space, allowing for easy integration and maintenance.
- **Visual Status Indicators:** Offers real-time feedback on relay status with LED indicators, enhancing system monitoring and troubleshooting.

### THE FUTURE:

The DTT100USD True Off Delay Time Relay will continue to be integral in water and wastewater management, offering dependable and adaptable timing solutions for various applications. Its user-friendly design, precise control, and robust performance make it indispensable for enhancing the reliability and efficiency of water and wastewater systems in modern infrastructure.



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