

DWLC - WiFi CYC : Smart Water Level & Motor Protection System



The DWLC-WiFi CYC is an advanced Android-based water level controller designed for seamless tank monitoring and motor protection. Utilizing the "Ktronics Tank Monitor" app, users can remotely access real-time water levels and motor status from their smartphones. Multiple users can install the app to monitor the system simultaneously, enhancing accessibility and control.

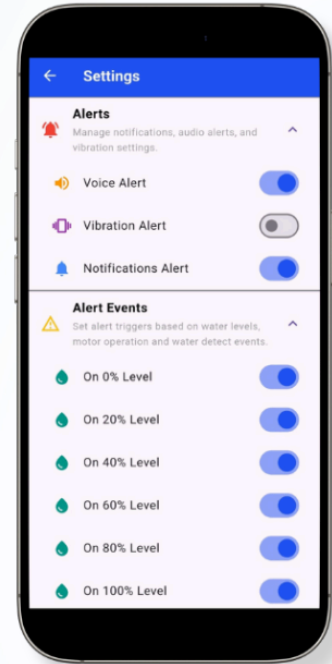


Key Features:

- **Remote Monitoring & Control:** Monitor tank levels and control the motor remotely via the "Ktronics Tank Monitor" Android app.
- **Flexible Sensor Connectivity:** Supports both wired local sensors and remote sensors connected through a cloud server, ideal for tanks located far from the motor.
- **Motor Protection:** Safeguards single-phase motors against overload, dry run, and single phasing, ensuring longevity and reliability.
- **Cyclic Timer:** Features a built-in cyclic timer that allows users to set periodic motor operation intervals, optimizing water distribution.
- **Current Monitoring:** Monitors the current drawn by the motor continuously. Users can adjust low and high current settings to prevent damage. The system turns off the motor in case of overcurrent, undercurrent (dry run), or phase loss.
- **Tripping Alerts:** Displays the reason for motor shutdown along with the tripping current, aiding in quick diagnostics.
- **Off Timer:** Includes an off timer that automatically turns off the motor after a set duration, conserving energy and preventing overflows.
- **Water Level Sensors:** Additional sensors can be connected to overhead or underground tanks to automatically turn off the motor when the tank is full.

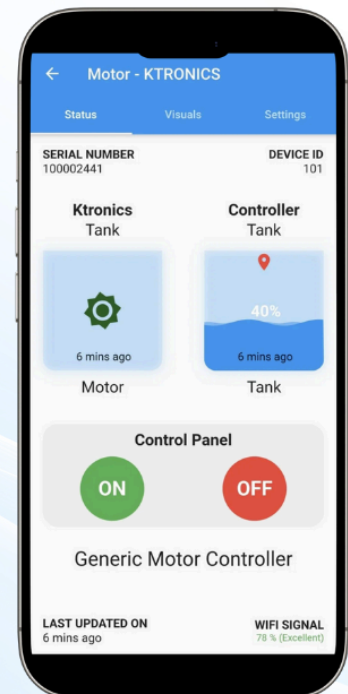
Installation & Compatibility:

The DWLC-WiFi CYC is designed to be attached to existing motor starters. It allows the motor load to pass through the provided current transformer (CT) for accurate current sensing. This setup ensures comprehensive monitoring and protection of the motor.



Ideal Applications:

- **Residential Use:** Ensures efficient water management in homes, preventing overflow and dry run scenarios.
- **Commercial Establishments:** Suitable for hotels, resorts, and offices, providing reliable water supply management.
- **Industrial Applications:** Facilitates automated water distribution in factories and large facilities, optimizing resource usage.



With its comprehensive features and user-friendly interface, the DWLC-WiFi CYC offers an efficient solution for modern water level management and motor protection.