

DWLC - V4A : WiFi Single Phase Submersible Starter with Water Level Controller

The DWLC-V₄A is a WiFi-enabled, fully automatic water level controller integrated with a starter, designed for single-phase submersible motors. It offers real-time monitoring and control via the “Ktronics Tank Monitor” Android app, allowing multiple users to track water levels and motor status remotely. This system is ideal for homes, farms, and industries, providing seamless automation and protection for your water pumping operations.

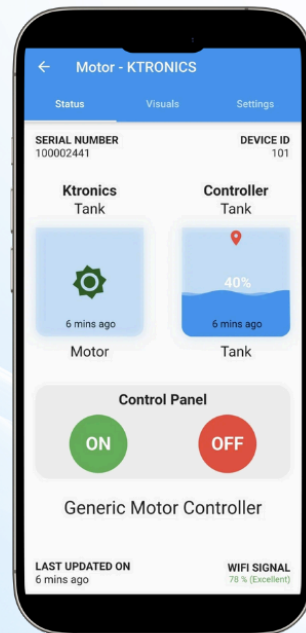
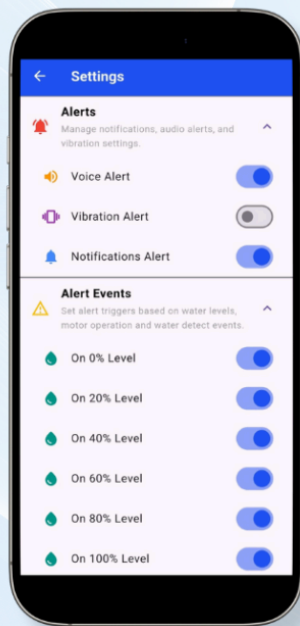
Key Features:

- **WiFi Connectivity:** Monitor and control the water level and motor status remotely using the “Ktronics Tank Monitor” Android app.
- **Automatic Motor Control:** Automatically starts and stops the motor based on water levels, preventing overflow and dry running.
- **Motor Protection:** Safeguards the motor against overload, dry run, and single-phase conditions.
- **Cyclic Timer:** Allows users to set periodic motor operation times, enhancing efficiency and reducing manual intervention.
- **Current Monitoring:** Continuous monitoring of the motor's current draw, with user-adjustable overload and dry run settings.
- **Phase Monitoring:** Detects and displays phase loss conditions, ensuring the motor operates under safe conditions.
- **Digital Display:** Provides real-time voltage and current readings, along with error indications.
- **Relay Capacity:** Equipped with an in-built relay capable of handling up to 30-40A, suitable for motors up to 3.0 HP.
- **Sensor Integration:** Supports additional sensors for overhead and underground tanks, automatically turning off the motor when the tank is full.
- **User-Friendly Interface:** Easy setup and installation, compatible with all existing motor starters.



Technical Specifications:

- Input Voltage: 230V AC, 50/60 Hz
- Output: Single-phase motor (R, Y, B)
- Load Capacity: Up to 3.0 HP (40A, 240 VAC)
- Relay Type: In-built Contactor
- Voltage and Current Calibration: Adjustable settings for precise monitoring
- Enclosure: High-quality metal body with connector-type design
- Sensor Inputs: Provided for sump and overhead tank
- Display: Digital voltmeter and ammeter
- Protection Features: Overload, dry run, and phase loss protection



The DWLC-V4A is an advanced solution for automating and safeguarding your water pumping systems. Its WiFi connectivity and comprehensive protection features ensure efficient and reliable operation, reducing manual intervention and preventing motor damage.