

Ktronics S Series PCA – Three Phase Corrector with Automatic Water Level Controller

The Ktronics S Series PCA is an advanced WiFi-enabled water level controller and motor starter, designed to ensure optimal operation of three-phase motors. It offers real-time monitoring and control via the “Ktronics Tank Monitor” Android app, allowing multiple users to access and manage the system remotely. This device is ideal for applications where maintaining correct motor rotation direction and safeguarding against electrical anomalies are crucial.

Key Features:

- **Phase Sequence Correction:** Automatically corrects incorrect phase sequences (e.g., RBY, YBR) to ensure proper RYB output, preventing reverse motor operation and potential damage.
- **Digital DOL Starter:** Incorporates a Digital Direct-On-Line (DOL) starter with auto-switch functionality and Single Phase Prevention (SPP), enhancing motor protection.
- **Water Level Monitoring:** Supports inputs for sump and overhead tank water levels, enabling automatic motor operation based on water availability.
- **Comprehensive Protection Mechanisms:**
 - High and low voltage protection.
 - Overload and dry run (under current) protection.
 - Cyclic timer with adjustable on and off delays.
 - Dry run rest time feature.
 - Auto-restart capability with bypass option.
 - SPP for phase failure and reverse phase protection.

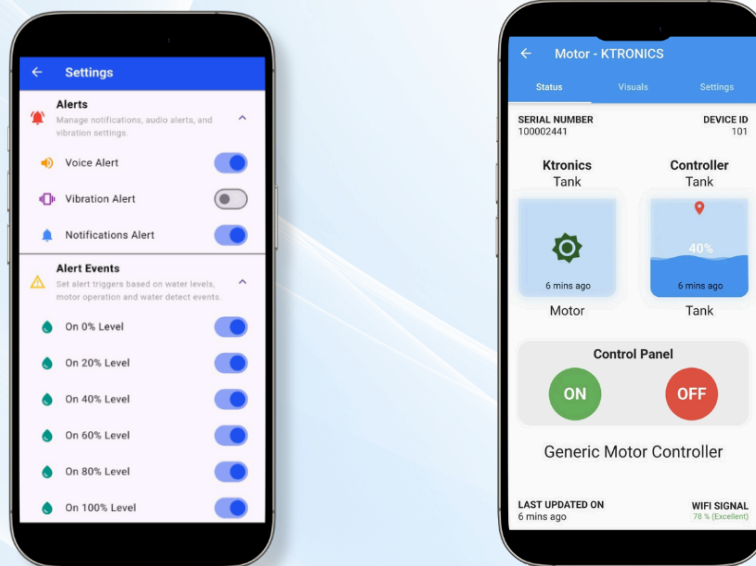


- **User-Friendly Interface:**

- Separate digital displays for voltage and current.
- Adjustable overload and dry run current settings.
- Adjustable high and low voltage limits.
- Protection enable/disable option.
- Factory reset facility.

- **Robust Construction:** Housed in an 18-gauge high-quality metal flameproof enclosure for durability and safety.

- **Calibration and Reset Options:** Facilities for voltage and current calibration, along with a reset button for system restoration.



This system is particularly beneficial for applications requiring precise motor control and protection, such as in agricultural, industrial, and commercial settings. By ensuring correct phase sequence and providing comprehensive protection features, it minimizes the risk of motor damage and enhances operational efficiency.