KTronics
JOIN HANDS WITH OUR TECHNOLOGY

DWLC – Wireless RTC (Real-Time Clock)

The DWLC – Wireless RTC is a state-of-the-art motor automation and protection device designed for single-phase motors. It features an integrated Real-Time Clock, allowing motors to operate on a pre-set daily schedule while providing comprehensive protection against electrical faults.

Ideal for pump automation in residential, agricultural, and industrial settings, this system connects seamlessly to any existing starter and monitors motor performance in real time to prevent damage.

Ktronics: Redefining Wireless Technology for Smarter Living

Ktronics leads the way with India's first and most advanced patented wireless technology, engineered to deliver customized automation solutions without relying on Wi-Fi, Internet, Bluetooth, SIM cards, or monthly subscriptions.Our fully independent and cost-effective systems are built with premium copper sensor technology for unmatched durability, rust resistance, and protection against salt buildup, ensuring long-lasting, maintenance-free performance

Core Features:

- **Real-Time Clock (RTC):** Equipped with a built-in RTC, this controller enables users to set up to 16 ON/OFF cycles per day, providing precise scheduling for motor operation.
- **Flexible Sensor Connectivity:** Supports both wired local sensors and remote sensors connected via a cloud server, making it ideal for tanks located far from the motor
- **Motor Protection System:** Safeguards the motor against overload, dry run, and single-phase conditions, preventing potential damage and ensuring longevity.
- **Automatic Motor Operation:** Automatically starts the motor based on preset real-time schedules and stops when the tank is full or after the set off time, whichever occurs first.
- **Current Monitoring & Protection:** Continuously monitors the current drawn by the motor. 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.
- **Commercial Establishments:** Suitable for hotels, resorts, and offices, providing reliable water supply management

Dual Operating Modes

1.Fully Automatic Mode

The motor starts when the tank is empty and stops when it is full—automatically.

2.Manual Mode with Alerts

Manual motor control with built-in alarms for overflow or dry tank conditions.

3.Fault Bypass & Manual Override

Manually start or stop the motor at any time, even during error conditions.

Smart Add-Ons

- **Solar-Powered Wireless Transmitter**
  No wiring or power source needed near the tank.
- **Low Battery Alert**
  Notifies users when the transmitter battery is running low.
- **Shockproof & Safe**
  Built with advanced electrical filtering for safe, long-term use.
- **Durable Housing**
  Sturdy HD ABS body and connector-based design for quick, reliable installation.
- **Advanced Copper Sensor Technology**
  Ensures high sensitivity, rust resistance, and zero salt deposition for years of consistent performance.

Ktronics DWLC – Wireless RTC offers a perfect blend of **automation, safety, and control,** making it the ideal solution for anyone seeking smart, **reliable motor management** without the need for internet or ongoing costs.