



## DWLC – Wireless-CYC with Cyclic Timer Key Features & Benefits Smart Motor Automation & Protection System

The DWLC Wireless-CYC is an innovative device designed to automatically control and protect single-phase motors. It monitors motor conditions in real time and ensures safe operation by preventing issues like overload, dry run, and single phasing.

This system includes a built-in cyclic timer, allowing motors to operate at user-defined intervals, making it ideal for water pump automation and similar applications.

### Pioneering Smart Wireless Technology for a Smarter Tomorrow

Ktronics proudly introduces India's first and most advanced patented wireless technology, revolutionizing automation with customized, subscription-free solutions. Our breakthrough systems work entirely without Wi-Fi, Internet, Bluetooth, SIM cards, or monthly charges, offering truly independent and cost-effective wireless solutions. Built with advanced copper sensor technology, Ktronics products ensure exceptional reliability, long life, and superior resistance to rust and salt deposits, making them the perfect choice for tough environmental conditions



### Key Features:

- **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.
- **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.
- **Power-Free Operation Near Tank:** Includes a solar-powered wireless transmitter—no external power required at the tank site.

#### **Additional Smart Features:**

- **Low Battery Alert:** Notifies users when the transmitter battery is low.
- **Shockproof & Safe:** Built-in filter technology enhances safety and longevity.
- **Durable Design:** Copper sensors resist rust and salt buildup, ensuring extended product life.

#### **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 – Wireless-CYC with Cyclic Timer offers an efficient solution for modern water level management and motor protection**