



INFINITCONTROL ▶

**RO/UF/ETP/STP
CUSTOMIZE CONTROLLER**

INFINITY



**MADE
IN
INDIA**

www.infinityequipments.com

INTELLIGENT CUSTOMISE CONTROLLER

Water & Wastewater Treatment

Overview

Infinity Equipment Manufacturing designs and produces tailored control panels for water and wastewater treatment applications, including STP (Sewage Treatment Plants), ETP (Effluent Treatment Plants), UF (Ultrafiltration), WTP (Water Treatment Plants), and RO (Reverse Osmosis). Our microprocessor-based controllers offer extensive functionality and can be customized with advanced options such as HMI, PLC, VFD, RS485 Modbus, and online data monitoring.

Features and Functions

*** Microprocessor-Based Control:**

- Advanced microprocessor for precise control and automation.
- Supports both automatic and manual operation modes.
- Real-time monitoring and data logging capabilities.

*** Standby Functionality:**

- Automatic standby mode for energy conservation.
- Ensures immediate activation during peak demand or system faults.
- Reduces wear and tear on critical components.

*** Customizable Operation:**

- Programmable logic control (PLC) with user-friendly interface.
- Customizable settings for different treatment processes.
- Flexible input/output configurations to match specific requirements.

*** Alarm and Safety Systems:**

- Integrated alarm system for immediate fault detection.
- Visual and audible alerts for critical conditions.
- Emergency shutdown features for enhanced safety.

*** Energy Efficiency:**

- Optimized for low power consumption.
- Supports variable frequency drives (VFDs) to minimize energy usage.
- Configurable settings to reduce operational costs.

*** Remote Monitoring and Control:**

- Remote access via SCADA systems for off-site monitoring.
- Cloud-based data storage and analytics.
- Real-time alerts and notifications via mobile or desktop platforms.

*** Durability and Reliability:**

- Built with industrial-grade components for long-term durability.
- Weatherproof and corrosion-resistant enclosures for harsh environments.
- Redundant power supplies and fail-safe mechanisms for continuous operation.

*** Easy Installation and Maintenance:**

- Pre-wired and tested for quick installation.
- Modular design for easy expansion and upgrades.
- Clear labeling and documentation for simplified maintenance.

Technical Specifications

- Power Supply: 120/240V AC, 50/60 Hz
- Operating Temperature: -20°C to 60°C
- Enclosure Material: Powder-coated MS
- Ingress Protection: IP65 or higher
- Communication Protocols: Modbus RTU, Ethernet/IP, Profibus, etc.

Applications

- Municipal water and wastewater treatment plants
- Industrial effluent treatment systems
- Pumping stations and lift stations
- Irrigation and water distribution networks
- Stormwater management systems

Optional Add-Ons

- HMI touchscreen for advanced control
- Wireless communication modules
- Backup battery systems
- Redundant PLC configurations
- Advanced filtration and chemical dosing controls

Compliance and Standards

- CE Certified
- ISO 9001 Quality Management System

Documentation and Support

- Comprehensive user manual and installation guide.
- 24/7 technical support hotline.

Warranty

We offer a standard 1-year warranty on all our water and wastewater control panels, covering manufacturing defects and component failures. Extended warranty options are available upon request.

This catalog page provides an overview of the features, specifications, and benefits of our water and wastewater control panels, showcasing their suitability for a wide range of industrial and municipal applications.