

ECS-974T Digital Temperature Controller with WIFI

Applications:

1. Commercial Refrigeration Systems: Ensure consistent cooling.
2. Aquariums and Fish Tanks: Maintain ideal water temperatures.
3. Incubators: Provide stable environments for hatching.
4. Greenhouses: Regulate temperatures for optimal plant growth.
5. HVAC Systems: Improve heating and cooling efficiency.
6. Food Processing and Storage: Safeguard food safety and quality.
7. High Precision Control: Accurate temperature management you can trust.
8. Dual Functionality: Supports both heating and cooling equipment.
9. Reliable Performance: Built for continuous use in demanding environments.
10. Energy Efficient: Helps reduce operational costs through intelligent management.
11. User-Friendly Design: Easy to install, operate, and maintain

Features:

1. Dual Relay Output for Heating and Cooling: Independently control both heating and cooling devices, Flexible configuration for various temperature control needs.
2. Wide Temperature Measurement Range: Temperature Range: -50°C to 120°C (-58°F to 248°F), High accuracy with $\pm 0.5^{\circ}\text{C}$ precision ensures stable control.
3. Bright LED Display: Displays real-time current temperature and setpoint values, Clear and visible readings even in low-light conditions.
4. Safety and Protection Functions: Compressor delay protection to prolong compressor life, Over-temperature alarms to prevent system damage.
5. Easy Programming and Operation: Simple button interface for quick setup and adjustments, Supports manual calibration for precise system tuning.

Specifications:

1. Temperature Control Range: -50°C to 120°C (-58°F to 248°F)
2. Control Accuracy: $\pm 0.5^{\circ}\text{C}$
3. Sensor Type: NTC 10K Thermistor
4. Power Supply: AC 110V/220V (optional)
5. Relay Output Capacity: 10A/220V AC
6. Display Type: LED Display
7. Material: Fire-resistant ABS
8. Dimensions: 75mm x 34.5mm x 85mm
9. Wi-Fi function for remote check and control via the Tuya app.